LIMA LOCOMOTIVE WORKS
INCORPORATED

LIMA, OHIO, U. S. A.

Direct Locomotive
CARD INDEX

Class 2-8-8-2 Dept. DRAWING ROOM

WESTERN MARYLAND R. R.

ORDER No.	SHOP NUMBERS	DATE	DRAUGHTSMAN
5554	5554-5563 INC.	1917	E. P. DEVOE.
		19	
		19	
		19	
		19	

FORM LED. 30
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EPD

5554

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ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

Date	ITEMS	Check	Date	ITEMS	Check	Date	ITEMS	Check

ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

Date	ITEMS	Check	Date	ITEMS	Check	Date	ITEMS	Check

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
	1	Ash ■ Pan	1	400E248	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	2	" " Material Bill	1 SET.	M.O. 1991-A	ORD. IN P.D.	—	—	—	—	—
	3	" " Hopper	—							
	4	" " "	—							
	5	" " Door	1	400E248	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	6	" " " ~~Links~~ HINGE	2	"	4"x4" COMMERCIAL	—	—	—	—	—
	7	" " " ~~Frame~~ LUG	1	"	—	400-S-566	—	—	—	—
	8	" " Damper	—							
	9	" " " Rigging	—							
	10	" " " Handle	—							
	11	" " " Crank	—							
	12	" " " "	—							
	13	" " " Hinge	—							
	14	" " " "	—							
	15	" " " Hanger	—							
	16	" " " "	—							
	17	" " " Lug	—							
	18	" " " "	—							
	19	" " " Lever	—							
	20	" " " Latch	—							
	21	" " DOOR Rod	1	400E248	—	400-S-563	—	—	—	—
	22	" " " - LOCK LEVER	1	"	—	400-S-561	—	—	—	—
	23	" " " Shaft	1	"	—	FORGED SIZES 2" DIA. 9 1/4" LONG	—	—	—	—
	24	" " " " Bearing	—							
	25	" " Slide	—							
	26	" " " Rigging	—							
	27	" " " Rod	—							
	28	" " " "	—							
	29	" " " Jaw	—							
	30	" " " Frame	—							
	31	" " Operating Shaft	—							
	32	" " " " Arms	1	400E248	—	400-S-562	—	—	—	—
	33	" " Shaft Bearing	1	102-A-172 ~~400-D-184~~	—	—	10-119	—	—	—
	34	" " Hand Lever	2	400E248	—	400-S-560	—	—	—	—
	35	" " " " Stop	—							
	36	" " Lock Pin	1	522L428	—	522L428	—	—	—	—
	37	" " Operating Cyl.	—							
	38	" " " " Heads	—							
	39	" " Piston	—							
	40	" " " Rod	—							
	41	" " " Follower	—							
	42	" " " Rings	—							
	43	" " Supports TOP ✓	8	400-D-145	—	—	10-110	—	—	—
	44	" " " BOTTOM ✓	8	"	—	—	10-111	—	—	—
	45	" " Swipe Manifold	—							
	46	" " Cinder Box	—							
	47	" " " " Cover	—							
	48	" " Brick Work	—							
	49	" " SUPPORT	2	400E248	—	400-S-564	—	—	—	—
	50	" " "	2	"	—	400-S-565	—	—	—	—
	51	" " SHAFT BEARING	1	102-B-172 ~~400-D-185~~	—	—	10-120	—	—	—
	52	**GROUP 11—AXLES**								
	53	Axle, Driving—Main ✓	1-H.P. 1-L.P.	160-D-144	MAT. ORD. IN P.D. ROUGH TURNED.	—	—	—	—	—
	54	" " —F. I. & B.	3-H.P. 3-L.P.	"	" "	—	—	—	—	—
	55	" "	—							
	56	" " —Key	1 SET.	TO SUIT.	—	—	—	—	—	—
	57	" Engine Truck AFTER LOCOS. 5554-5563 USE CD. No. 112A1.	1	112-B-233 ~~430-D-51~~	ROUGH TURNED. MAT. ORD. IN P.D.	—	—	—	—	—
	58	" " " —Collar	—							
	59	" Trailing " AFTER LOCOS. 5554-5563 USE CD. No. 112A1.	1	112-B-233 ~~430-D-51~~	MAT. ORD. IN P.D. ROUGH TURNED.	—	—	—	—	—
	60	" Marking		LIMA STANDARD.	—	—	—	—	—	—
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 12—BELL								
	1	Bell	1	~~370-D-35~~ 122-A-86	—	—	—	—	12-124-A	—
	2	" Clapper FULCRUM	1	" "	—	—	—	—	—	CRUCIBLE STEEL 12-125
	3	" " ~~Jaw~~	1	" "	—	370-S-19	—	—	—	—
	4	" Stand	1	" "	—	—	12-126	—	—	—
	5	" Crank	1	" "	—	—	12-119	—	—	—
	6	" Washer	—							
	7	" Yoke	1	~~370-D-35~~ 122-A-86	—	—	12-118A	—	—	—
	8	" " Nut	—							
	9	" " Shaft	—							
	10	" " Jaw Stem	—							
	11	" Ringer	1	GOLMAR	ORD. IN P.D.	—	—	—	—	—
	12	" " Operating Valve	—							
	13	" " Bracket	—							
	14	" Rope Eye	1	122E47	—	—	—	—	12-115	—
	15	" " Thimble	1	122B47	—	—	—	—	12-139	—
	16	" " Guide	1	~~370-D-10~~ 122-A-64	—	—	—	—	12-108	—
	17	" " " Roller	—							
	18	" " Pulley	—							
	19	" " " Hanger	—							
	20	" " THIMBLE WASHER	1	122B47	STICK BRASS	—	—	—	—	—
	21	Gong	—							
	22									
	23									
	24									
	25									
	26									
	27									
	28	**GROUP 13—BOILER**								
	29	Boiler Plan	1	138A34	FIRE BOX. JACOB SHUPERT ORD. IN P.D.	—	—	—	—	—
	30	" Sections	—							
	31	" Material Bill	1-SET.	M.O. 1954-B	—	—	—	—	—	—
	32	" ~~Stay~~ Bill (FIRE BOX)	1	M.O. 1941-C	—	—	—	—	—	—
	33	" Test Pressure, Water		262½ LBS.	—	—	—	—	—	—
	34	" " " Steam		252 "	—	—	—	—	—	—
	35	" Working "		210 "	—	—	—	—	—	—
	36									
	37									
	38									
	39	**GROUP 14—BOILER DETAILS**								
	40	Boiler Bracing	—							
	41	" Brace Rod Ends	12	310-D-151	—	310-S-68	—	—	—	—
	42	" " " —	2	310-D-220	—	310-D-220	—	—	—	—
	43	" " " —	13	310-D-28	—	310-D-28	—	—	—	—
	44	" " " "	—							
	45	" " " "	—							
	46	" " " Lugs	—							
	47	" " " "	—							
	48	" " " "	—							
	49	" " " "	—							
	50	" " " Jaws	12	310-D-148	—	310-S-64	—	—	—	—
	51	" " " "	—							
	52	" " " "	—							
	53	" " " "	—							
	54	" Throat Brace	12	D-3157 LINE 3	—	D-3157 LINE 3	—	—	—	—
	55	" " "	13	D-3157 LINE 2	—	D-3157 LINE 2	—	—	—	—
	56	" " " Lug	—							
	57	" " " "	—							
	58	" Crown Bars	—							
	59	" " Roof Irons	—							
	60	" Stay Bolt	—							
	61	" " "	—							

(Group 14 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS (Cont.)								
	1	Boiler Radial Stay	—							
	2	" " "	—							
	3	" " " —Buttonhead	—							
	4	" Cross Stay	—							
	5	" " "	—							
	6	" Smoke Box Ring	1	138A34	MAT. ORD. IN P.D.	760-S-07	—	—	—	—
	7	" Tube Sheet Ring	1	142-B-439 ~~310-D-361~~	FURNISH STUDS.	—	—	14-68	—	—
	8	" Fire Box Ring	1	750-D-63	ORD. IN P.D.	—	—	—	—	—
	9	" " " " Corner F.	—							
	10	" " " " " B.	—							
	11	Boiler Tubes—Small	—							
	12	" Flues—Large	—							
	13	" Combustion Tubes	—							
	14	" Stoker Flues	—							
	15	" Tube Setting		310-D-109	—	—	—	—	—	—
	16	" Flue "		142 H 196	—	—	—	—	—	—
	17	" Combustion Tube Setting	—							
	18	" Stoker Flue Setting (IN J.S. FIREBOX.)		310-D-399	—	—	—	—	—	—
	19	" Test Plate	1	142C189	—	—	—	—	14-1-B	—
	20	"	—							
	21	"	—							
	22	" Cylinder Saddle (Mallet Engine)	1	143-A-196 ~~920-D-71~~	—	—	—	14-226	—	—
	23	" Bearing " " "	—							
	24	" Centering Device Saddle	1	474-A-64 ~~230-E-415~~	—	—	—	14-225	—	—
	25	" Waist Sheet Angle or Tee No. 1	—							
	26	" " " " " No. 2	—							
	27	" " " " " No. 3	—							
	28	" " " " " No. 4	—							
	29									
	30									
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 15—BOLTS AND NUTS**	—							
	37									
	38									
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47	**GROUP 16—BOXES, DRIVING**								
	48	Box—Driving, Main		2H.P. 163-A-227 ~~180-D-209~~ 2L.P.	BRASS CAST ON SHOE & WEDGE & HUB FACE	—	—	16-217	—	—
	49	" —Brass "		2H.P. 163-C-228 ~~180-D-210~~ 2L.P.	CASTING ORD. IN P.D.	—	—	—	16-155	—
	50	" —Cellar "		2H.P. "ELVIN" 2L.P.	ORD. IN P.D.	—	—	—	—	—
	51	" — " Pin "		8 163-A-227 ~~180-D-209~~	—	—	—	—	—	—
	52	" —Driving INTER		2H.P. 164-A-27 ~~180-D-202~~ 2L.P.	BRASS CAST ON SHOE & WEDGE & HUB FACE	180-S-25	—	—	—	—
	53	" —Brass "		2H.P. 163-D-228 ~~180-D-212~~ 2L.P.	CASTING ORD. IN P. DEPT.	—	—	16-213	—	—
	54	" —Cellar "		2H.P. "ELVIN." 2.L.P.	ORD. IN P.D.	—	—	—	16-156	—
	55	" — " Pin "		8 164-A-27 ~~180-D-202~~	—	180-S-24	—	—	—	—
	56	" —Driving FRONT		2H.P. 164-A-27 ~~180-D-202~~ 2L.P.	BRASS CAST ON SHOE & WEDGE & HUB FACE	—	—	—	—	—
	57	" —Brass "		2H.P. 163-D-228 ~~180-D-212~~ 2L.P.	CASTING ORD. IN P.D.	—	—	16-213	—	—
	58	" —Cellar "		2H.P. "ELVIN" 2L.P.	ORD. IN P.D.	—	—	—	16-156	—
	59	" — " Pin "		8 164-A-27 ~~180-D-202~~	—	180-S-24	—	—	—	—
	60	" —Brass, Plugs	—							
	61	" " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 16—BOXES, DRIVING (Cont.)								
	1	Box—Brass Plugs	—							
	2	" — " Pressed in Box (Tons)		LIMA STANDARD PRACTICE		—	—	—	—	—
	3	" —Hub Liner	—							
	4	" — " "	—							
	5	" — " "	—							
	6	DRIVING BOX - BACK	2 H.P. 2 L.P.	164-A-27 ~~180-D-202~~	BRASS CAST ON SHOE & WEDGE & HUB FACE	—	—	16-213	—	—
	7	" " CELLAR - BACK	2 H.P. 2 L.P.	ELVIN	ORD. IN P.D.	—	—	—	—	—
	8	" " BRASS "	2 H.P. 2 L.P.	163-D-228 ~~180-D-212~~	CASTING ORD. IN P.D.	—	—	—	16-156	—
	9	" " CELLAR PINS - BACK	8	~~180-D-202~~ 164-A-27	—	180-S-24	—	—	—	—
	10									
	11	**GROUP 17—BOXES, TRUCK**								
	12	Box—Engine Truck	2	174-A-26 ~~440-D-445~~	—	—	17-146	—	—	—
	13	" —Cellar, Engine Truck	2	172-B-179 ~~440-D-266~~	NOTE:- ON LOCOS. 5554-5563 ONLY. FOR REPAIRS ON CELLARS USE CO. 172A1.		17-14A	—	—	—
	14	" " Bolt " "	4	162C56	—	162C56	—	—	—	—
	15	" —Brass " "	2	172-A-167 ~~440-D-255~~	CASTING ORD. IN P. DEPT.	—	—	—	17-172	—
	16									
	17	Box— Trailing Truck	2	174-A-26 ~~440-D-445~~	—	—	17-146	—	—	—
	18	" —Cellar " " SEE NOTE:-	2	172-B-179 ~~440-D-266~~	NOTE:- ON LOCOS. 5554-5563 ONLY. FOR REPAIRS ON CELLARS USE CO. 172A1.		17-14A	—	—	—
	19	" —Binder " "	—							
	20	" — " Bolt " "	—							
	21	" —Brass " "	2	172-A-167 ~~440-D-255~~	CASTING ORD. IN P.D.	—	—	—	17-172	—
	22	" —Lid " "	—							
	23	" " Spring " "	—							
	24	Box— Trailing Truck FACE PLATE	2 R. 2 L.	174-A-26 ~~440-D-445~~	PLATE. BRASS CAST ON	—	—	—	R. 17-147 L. 17-148	—
	25	" ~~Cellar~~ " " SHIELD LOCOS. 5557-5563	2	172A3	1" 16 SHEET IRON	—	—	—	—	—
	26	" ~~Binder~~ " " CELLAR BOLT.	4	162C56	—	162C56	—	—	—	—
	27	TRAILING TRUCK BOX FACE RETAINING WEDGE " — " ~~Bolt~~ "	2	174-A-26 ~~440-D-445~~	—	174-A-26 ~~440-D-445~~	—	—	—	—
	28	" ~~Brass~~ " " " " " "	2	" "	—	174-A-26 ~~440-D-445~~	—	—	—	—
	29	" ~~Lid~~ " " " " " "BOLT	2	" "	—	440-S-329	—	—	—	—
	30	" " Spring " "	—							
	31	ENGINE TRUCK BOX FACE PLATE RET. WEDGE BOLT.	2	174-A-26 ~~440-D-445~~	—	440-S-329	—	—	—	—
	32	" " " " "	2 R. 2 L.	" "	PLATE. BRASS CAST ON	—	—	—	R. 17-147 L. 17-148	—
	33	" " " " RETAINING WEDGE	2	" "	—	174-A-26 ~~440-D-445~~	—	—	—	—
	34	" " " " " "	2	" "	—	" "	—	—	—	—
	35									
	36	**GROUP 18—Brackets**								
	37	Air Gauge Stand		SEE STEAM GAUGE STAND		—	—	—	—	—
	38	" " " Bracket	—							
	39	Feed Water Heater Gauge Stand	—							
	40	" " " " " Bracket	—							
	41	Pyrometer Gauge Stand	—							
	42	" " " Bracket	—							
	43	Steam Gauge Stand	1	420-D-634	—	—	18-453	—	—	—
	44	" " " Bracket	1	"	PLATE.	420-S-131	—	—	—	—
	45	" " " ~~Plate~~	1	420-D-1093	—	—	18-452	—	—	—
	46	Stoker Gauge	—							
	47	" Gauge Stand Bracket	1	220-D-206	—	220-D-206	—	—	—	—
	48	Intercepting Valve ~~Gauge~~ Bracket	1	220-D-201	—	220-D-201	—	—	—	—
	49	" " GAUGE BRACKET	1	420-D-634	3/16" PLATE	—	—	—	—	—
	50	GRATE SHAKER VALVE BRACKET	1	390-D-778	—	390-D-778	—	—	—	—
	51	STEAM GAUGE STAND BRACKET	1	182A99	—	182A99	—	—	—	—
	52									
	53	**GROUP 19—BRAKE, OPERATING**								
	54	Brake Valve	—							
	55	" " Body	—							
	56	" " Cap	—							
	57	" " Nut	—							
	58	" " Follower	—							
	59	" " Handle	—							
	60	" " Bracket—Automatic & INDEPENDENT	1	300-D-236	—	300-D-236	—	—	—	—
	61	" " " —Independent	—							

(Group 19 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 19—BRAKE, OPERATING (Cont.)								
	1	Feed Valve Bracket	1	192B110		192B110				
	2	Distributing Valve Bracket	1	~~192-A-277~~ ~~300-D-212~~	PLATE. MAT. ORD. IN P.D.	~~192-A-277~~ ~~300-D-212~~				
	3	Control " "	—							
	4									
	5	Brake Relief Valve	—							
	6	" " " Cap	—							
	7	" " " Stem	—							
	8	" " " Spring	—							
	9									
	10	Main Reservoir	1-SET.		ORD. IN P.D.					
	11	" "	—							
	12	" " Supports	1	~~193-D-205~~ ~~300-D-230~~				19-100		
	13	" " "	3	~~193-C-204~~ ~~300-D-209~~				19-99-A		
	14	" " "	4	~~193-E-205~~ ~~300-D-231~~				19-100-A		
	15	" " "	2	~~193-F-205~~ ~~300-D-232~~				19-100-B		
	16	" " "	—							
	17	" " "	—							
	18	" " Blocks	—							
	19	" " Straps	3	~~193-C-204~~ ~~300-D-128~~		300-S-77				
	20	" " "	7	~~193-D-205~~ ~~300-D-230~~		300-S-76				
	21	" " "	—							
	22	" " " U Bolts	10	~~193-C-204~~ ~~300-D-128~~		300-S-50				
	23	" " " " "	—							
	24	" " " " "	—							
	25	Air Turret	1	193K58			19-17			
	26									
	27	Air Pump Bracket (BACK)	1	300-D-220				19-8		
	28	" " " (FRONT)	1	300-D-224				19-8		
	29	" " " Brace	—							
	30	" " " "	—							
	31	" Pump Strainer Support	—							
	32	" " " "	—							
	33	Equalizing Reservoir Support	—							
	34									
	35									
	36	Air Pump Drip Pan	—							
	37	" " " "	—							
	38	" " " " Support	—							
	39	" " " " "	—							
	40									
	41									
	42									
	43	**GROUP 20—BRAKE, FOUNDATION**								
	44	Brake Arrangement (Foundation)	1-SET.	AMERICAN BRAKE COS. CO. No. 79213	ORD. IN P.D.					
	45	" Bell Crank	—							
	46	" " " Fulcrum	—							
	47	" Shaft	—							
	48	" " Bearing	—							
	49	" " "	—							
	50	" " Arms	—							
	51	" " Handle	—							
	52	" Cam	—							
	53	" " Sleeve	—							
	54	" Beams	—							
	55	" "	—							
	56	" "	—							
	57	" Equalizer	—							
	58	" "	—							
	59	" "	—							
	60	" Fulcrums	—							
	61	" "	—							

(Group 20 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE, FOUNDAT'N (Cont.)								
	1	Brake Hangers	—							
	2	" "	—							
	3	" Levers	—							
	4	" "	—							
	5	" "	—							
	6	" Rods	—							
	7	" "	—							
	8	" "	—							
	9	" Adjusting Nuts	—							
	10	" " "	—							
	11	" Safety Straps	—							
	12	" " "	—							
	13	" Heads	—							
	14	" "	—							
	15	" Shoes	—							
	16	" "	—							
	17	" " Key	—							
	18	" " Spring	—							
	19	"	—							
	20	" Cylinder	—							
	21	" " Heads	—							
	22	" " "	—							
	23	" " Gland	—							
	24	" " " Nut	—							
	25	" " Support	—							
	26	" Piston	—							
	27	" " Rod	—							
	28	" " Follower	—							
	29	" " Rings	—							
	30	" Push Rod	—							
	31									
	32									
	33									
	34									
	35	**GROUP 21—BUMPERS**								
	36	Bumper—Front	1	~~312-A-122~~ ~~250-D-211~~ 250-D-211	CASTING ORD. IN P.D.	—	—	—	—	—
	37	" Knees	—							
	38	" "	—							
	39	" Brace	—							
	40	" - FILLER BLOCKS	2	~~250-D-211~~ ~~250-D-211~~	—	FORGED SIZES $3\frac{1}{2}$"×6"×9"	—	—	—	—
	41	" Push Pole Pocket	—							
	42	"	—							
	43	"	—							
	44	"	—							
	45	" Plate	—							
	46	" "	—							
	47	" " Support	—							
	48	" Scroll Iron	—							
	49	Bumper—Back	—							
	50	" Crosstie	—							
	51	" Brackets	—							
	52									
	53									
	54									
	55									
	56									
	57	**GROUP 22—CAB**								
	58	Cab	1	500-D-363	PLATE. MAT. ORD. IN P.D. WOOD LINED.	—	—	—	—	—
	59	" Material Bill	1 SET.	M.O. 1977	ORD. IN P.D.	—	—	—	—	—
	60	" ANGLE "	1 SET	"	" " "	—	—	—	—	—
	61	" BEADING "	1 SET	"	" " "	—	—	—	—	—

Note:- After 5554-5563 arrange to core bottom of bumpers back of bottom coupler Pocket Bolts as now shown on Cd. 250-D-211. On 5554-63 these holes were cut out

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS								
	1	Cab Angle—Roof	2	500-D-363	ANGLE	500-S-185	—	—	—	—
	2	" ~~Tee Iron~~ "	3	"	"	500-S-184	—	—	—	—
	3	" Roof Brace	1-SET.	232A252	—	232A252	—	—	—	—
	4	" Gutter	—							
	5	" Corner ~~Iron~~ ANGLE	2-R. 2-L.	500-D-363	ANGLE.	500-S-186	—	—	—	—
	6	" " Bracket	—							
	7	" Window Frame	1-SET.	LIMA STANDARD.	—	—	—	—	—	—
	8	" " Slide	—							
	9	" " Stop	—							
	10	" " Shield	—							
	11	"BACK" Sash Fixture	2	500-D-363	—	—	23-32	—	—	—
	12	" " " "	—							
	13	" Storm Window ~~Arrangement~~ BRACKET.	2	500-D-317	—	500-S-166	—	—	—	—
	14	" " " Frame	2	"	—	—	—	—	—	23-395
	15	" " " ~~Sash~~ HINGE CASTING	2	"	—	—	—	—	—	23-396
	16	" " " ~~Door~~ GLASS FASTENER	4	"	—	—	23-220	—	—	—
	17	" " " CATCH	2	"	—	500-S-153	—	—	—	—
	18	" Door Frame	—							
	19	" " "	—							
	20	" " "	—							
	21	" " "	—							
	22	" " Fixture	2	~~500-D-94~~ 232-C-438	—	—	—	—	—	23-122
	23	" " " Bracket	2	" "	—	—	—	—	—	23-121
	24	" " " Slide	—							
	25	" " Clamp	—							
	26	" " " Rod	2	~~500-D-94~~ 232-C-438	—	500-S-11	—	—	—	—
	27	" " Slide "	—							
	28	" " Fulcrum	—							
	29	" " Handle	2	~~500-D-94~~ 232-C-438	—	—	—	—	—	23-123
	30									
	31	Cab Ventilator—Centre	1	232D237	MAT. ORD. IN P.D.	—	—	—	—	—
	32	" " Rigging	—							
	33	" " Shaft	—							
	34	" " Arms	—							
	35	" " Rod	—							
	36	" " Handle	1	~~D-47010~~ 883-A-41	—	470-S-91	—	—	—	—
	37	" " " Washer	—							
	38	" " Latch	—							
	39	" " " Fulcrum	—							
	40	" " Thumb Screw	—							
	41	" " Sides	—							
	42	" " Angle Sides	—							
	43	" " " Ends	—							
	44	" " Handles	—							
	45	" " Bars	—							
	46	" Bracket	1	280-D-278	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	47	" " Angle	1 SET.	"	—	280-D-278	—	—	—	—
	48	" ~~Brace~~ CHANNEL IRON	1	"	MAT. ORD. IN P.D.	—	—	—	—	—
	49	" - ~~Lug~~ SADDLE	2	232B234	—	—	23-48	—	—	—
	50	" Saddle	2	500-D-363	ANGLE	500-S-183	—	—	—	—
	51	" Firing Deck	1	210-D-354	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	52	" Apron	1	280-D-277	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	53	" " Hinge LUG	4	232B243	—	—	—	—	—	—
	54	" " Link	4	"	—	—	—	—	—	23-12
	55	"FIRING DECK HINGES	1-SET.	210-D-354	COMMERCIAL	—	—	—	—	23-222
	56	" Gangway Chain	—							
	57	" Arm Rest	2	232F250	WOOD. UPHOLSTERED.	—	—	—	—	—
	58	" Seat (Engineer)	1	~~500-D-303~~ 232-A-701	WOOD.	—	—	—	—	—
	59	" " Cushion	2	" "	UPHOLSTERED.	—	—	—	—	—
	60	" " Post	—							
	61	" " Hinge	1-SET.	~~500-D-303~~ 232-A-701	COMMERCIAL	—	—	—	—	—

(Group 23 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Seat Rod	—							
	2	" " " Spring	—							
	3	" " (Fireman)	1	232-A-700 ~~500-D-345~~	WOOD	—	—	—	—	—
	4	" " Cushion	1	" "	UPHOLSTERED	—	—	—	—	—
	5	" " Post	—							
	6	" " Hinge	2	232-A-700 ~~500-D-345~~	COMMERCIAL	—	—	—	—	—
	7	" " Rod	—							
	8	" " Spring	—							
	9	" " (Brakeman)	—							
	10	" " Cushion BACK REST (FIREMANS)	1	232-A-692 ~~500-D-336~~	UPHOLSTERED.	—	—	—	—	—
	11	" " Post	—							
	12	" " " Fulcrum	—							
	13	" " Hinge	—							
	14	" " Spring	—							
	15	" Clothes Box	—							
	16	" " " Hinge	—							
	17	" " " Hasp	—							
	18	" Inspection Frame—~~Large~~	1	232-A-721 ~~500-D-60~~	GALV. IRON	—	—	—	—	—
	19	" " " —~~Small~~	1	232-A-720 ~~500-D-168~~	" "	—	—	—	—	—
	20	" " " —Location	—							
	21	" Train Order Hook	—							
	22	" Curtain—Back	1	500-D-360	CURTAIN & STRAPS ORD. IN P.D.	—	—	—	—	—
	23	" " Rod—Back	—							
	24	" " Hooks	—							
	25	" " Eye Bolts	—							
	26	" " Side (ENGINEERS)	1	232A321	ORD. IN P.D.	—	—	—	—	—
	27	" " Rod, Side "	1	"	—	500-S-197	—	—	—	—
	28	" " Anchor Rod	—							
	29	" " "S" Hooks	—							
	30	" " Eye Bolts	—							
	31	" Awning	—							
	32	" PAPER RACK	1	500-D-191	GALV. IRON	—	—	—	—	—
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40									
	41									
	42	**GROUP 26—COCKS AND VALVES**								
	43	Angle Valve (INTERCEPTING VALVE)	1	FOR 3/4" COPPER PIPE. SHANK 1" PIPE TAP.	ORD. IN P.D.	—	—	—	—	—
	44	" " Cap	—							
	45	" " Stem	—							
	46	" " Gland	—							
	47	" " Nut	—							
	48	" " Handle	—							
	49	AIR PUMP LINE VALVES	2	1 1/4" GLOBE	ORD. IN P.D.	—	—	—	—	—
	50									
	51	Ash Pan Valve	1	FOR 1 1/4" IRON PIPE LONG SHANK 1 1/2" PIPE TAP.	ORD. IN P.D.	—	—	—	—	—
	52	" " " Cap	—							
	53	" " " Stem	—							
	54	" " " Gland	—							
	55	" " " Nut	—							
	56	" " " Handle	—							
	57									
	58	Bell Ringer Valve								
	59	INTERCEPTING VALVE OPERATING VALVE	1	FOR 3/4" COPPER PIPE EXHAUST CONN. 1/2" IRON PIPE	(ORD. IN P.D.	—	—	—	—	—
	60	" " SEPARATE EXHAUST LINE CHECK VALVE	1	4 1/2" SWING CHECK.	ORD. IN P.D.	—	—	—	—	—
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont,)								
	1	Booster Drain Cock	—							
	2	" Throttle Valve	—							
	3	" Valve	—							
	4									
	5									
	6									
	7									
	8									
	9									
	10	Blower Valve – TURRET.	1	FOR 1½" IRON PIPE SHANK 1½" PIPE TAP.	ORD. IN P.D.	—	—	—	—	—
	11	" " ~~Cap~~ LINE	1	1¼" RIGGIN	" " "	—	—	—	—	—
	12	" " Stem	—							
	13	" " Gland	—							
	14	" " Nut	—							
	15	" " Handle	—							
	16									
	17	Blow Off Cock	2	2" OKADEE	ORD. IN P.D.	—	—	—	—	—
	18	" " " Cap	—							
	19	" " " Plug	—							
	20	" " " Nut	—							
	21	" " " Washer	—							
	22	" " " Handle	—							
	23	" " " Joint Ring	2	420-D-677	—	—	79-825-A	—	—	—
	24	" " " Extension	—							
	25	" " " "	—							
	26									
	27	Blow Off Valve	—							
	28	" " " Cap	—							
	29	" " " Stem	—							
	30	" " " Gland	—							
	31	" " " Nut	—							
	32	" " " Handle	—							
	33									
	34	Cab Heater Valve	—							
	35									
	36									
	37									
	38	Coal Sprinkler Valve	1	NATHAN.	ORD. IN P.D.	—	—	—	—	—
	39	" " " Cap	—							
	40	" " " Stem	—							
	41	" " " Gland	—							
	42	" " " Nut	—							
	43	" " " Handle	—							
	44									
	45	Cylinder Cock Body	4 H.P. 4 L.P.	"WATERTOWN"	ORD. IN P.D.	—	—	—	—	—
	46	" " Shank	—							
	47	" " Valve	—							
	48	" " Nipple	—							
	49	Port Cock	—							
	50	" " Shank	—							
	51	" " Valve	—							
	52									
	53	DRAIN ~~Drip~~ Valve AUTOMATIC	2	201	DRIFTING VALVE LINE & STOKER EXH.' LINE	—	—	—	—	—
	54	" " Cap " " " "	2	201		—	—	—	—	20-71
	55	" " ~~Stem~~ BODY " " "	2	201		—	—	—	—	20-73
	56	" " ~~Gland~~ SPRING " " "	2	201	BRASS WIRE	—	—	—	—	20-72
	57	" " Nut	—							
	58	" " Handle	—							
	59	DRIFTING VALVE (TURRET)	1	FOR 2" IRON PIPE SHANK – 2½" PIPE TAP	ORD. IN P.D.	—	—	—	—	—
	60	" " (LINE)	1	—	" " "	—	—	—	—	—
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Dynamo Valve	1	FOR 3/4" IRON PIPE SHANK 1" PIPE TAP.	ORD. IN P.D.	—	—	—	—	—
	2	" " Cap	—							
	3	" " Stem	—							
	4	" " Gland	—							
	5	" " Nut	—							
	6	" " Handle	—							
	7									
	8	Feed Water Heater Valve	—							
	9									
	10	ANGLE VALVE (STOKER)	1	FOR 1 1/2" IRON PIPE SHANK 2" PIPE TAP.	ORD. IN P.D.	—	—	—	—	—
	11	GLOBE " " " STEAM	5	1/2" GLOBE	" " "	—	—	—	—	—
	12	" " " "	2	1 1/2" "	" " "	—	—	—	—	—
	13	" " " "	1	3/4" "	" " "	—	—	—	—	—
	14	" " " "	2	1 1/4" "	" " "	—	—	—	—	—
	15									
	16									
	17									
	18	Grate Shaker Valve	1	3/4" ANGLE	ORD. IN P.D.	—	—	—	—	—
	19	" " " Cap	—							
	20	" " " Stem	—							
	21	" " " Gland	—							
	22	" " " Nut	—							
	23	" " " Handle	—							
	24									
	25	Inj. Starting Valve	2	FOR 2 3/4" O.D. COPPER PIPE SHANK 3" PIPE THD.	ORD. IN P.D.	—	—	—	—	—
	26	" " " Cap	—							
	27	" " " Stem	—							
	28	" " " Gland	—							
	29	" " " Nut	—							
	30	" " " Handle	—							
	31	" " " Extension	—							
	32	" " " Flange	—							
	33	INTERCEPTING VALVE EXTENSION	1	420-D-678 STICK BRASS		—	—	—	—	—
	34	Lubricator Valve	2	FOR 1" O.D. COPPER PIPE SHANK 1 1/4" PIPE THD.	ORD. IN P.D.	—	—	—	—	—
	35	" " Cap	—							
	36	" " Stem	—							
	37	" " Gland	—							
	38	" " Nut	—							
	39	" " Handle	—							
	40	" " Extension	—							
	41									
	42	Oil Stock	—							
	43	" " Cap	—							
	44	" " Plug	—							
	45	" " Nut	—							
	46	" " Washer	—							
	47	" " Handle	—							
	48									
	49	Power Reverse Angle Valve	—							
	50	" " " " Cap	—							
	51	" " " " Stem	—							
	52	" " " " Gland	—							
	53	" " " " Nut	—							
	54	" " " " Handle	—							
	55									
	56	Power Reverse Cut Out Cock	—							
	57									
	58									
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Power Reverse Globe Valve	1	1" 2 GLOBE	ORD. IN P.D.	—	—	—	—	—
	2	" " " " Cap	—							
	3	" " " " Stem	—							
	4	" " " " Gland	—							
	5	" " " " Nut	—							
	6	" " " " Handle	—							
	7									
	8	Power Reverse 3-Way Cock	—							
	9	" " " " Bracket	—							
	10									
	11	Steam Gauge Cock	2	262 C 133	—	—	—	—	26-36	—
	12	" " " Cap	—							
	13	" " " Plug	2	262 C 133	—	—	—	—	26-24	—
	14	" " " Nut	—							
	15	" " " Washer	—							
	16	" " " Handle	—							
	17	TEST VALVE	1	1" GLOBE	ORD. IN P.D.	—	—	—	—	—
	18	Test Gauge Cock	—							
	19	" " " Cap	—							
	20	" " " Plug	—							
	21	" " " Nut	—							
	22	" " " Washer	—							
	23	" " " Handle	—							
	24	" VALVE EXTENSION	1	420-D-668	1½" DIA. STEEL	—	—	—	—	—
	25	Water Column Drain Valve	—							
	26	" Gauge " "	—							
	27									
	28									
	29									
	30	Universal Joint (DYNAMO VALVE)	2	552 B 162	EXTENSION ROD TO SUIT	—	—	—	55-73	—
	31	" " (INJECTORS)	4	"	"	—	—	—	55-73	—
	32	" "	—							
	33	" "	—							
	34	" "	—							
	35	" "	—							
	36	" "	—							
	37									
	38									
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47	**GROUP 27—COCKS AND VALVES**								
	48	Gauge Cock	3	NATHAN NEVERLEAK	ORD. IN P.D.	—	—	—	—	—
	49	" " Valve	—							
	50	" " Cap	—							
	51	" " Stem	—							
	52	" " Gland	—							
	53	" " Nut	—							
	54	" " Handle	—							
	55	" " Extension	—							
	56	" " Dripper	1	272-A-189 ~~420-D-386~~	—	—	—	27-62	—	—
	57									
	58	Water Column	—							
	59	" " Support	—							
	60	" " Bottom Extension	—							
	61	" " " " Sleeve	—							

(Group 27 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS & VALVES (Cont.)								
	1	Water Column Top Extension	—							
	2	" " " " Sleeve	—							
	3	" " Extension Sleeve Nuts	—							
	4	" " Plug	—							
	5									
	6									
	7									
	8	Water Gauge ~~Guard~~	1	"HANLON"	ORD. IN P.D.	—	—	—	—	—
	9	" " " Slip Joint	—							
	10	" " Upper Fitting	1	272-A-149 ~~420-D-238~~	ORD. IN P.D.	—	—	—	—	—
	11	" " " " Cap	—							
	12	" " " " Valve	—							
	13	" " " " Stem	—							
	14	" " " " Gland	—							
	15	" " " " Nut	—							
	16	" " " " Washer	—							
	17	" " " " Handle	—							
	18	" " Lower Fitting	1	272-A-149 ~~420-D-238~~	ORD. IN P.D.	—	—	—	—	—
	19	" " " " Cap	—							
	20	" " " " Valve	—							
	21	" " " " Stem	—							
	22	" " " " Gland	—							
	23	" " " " Nut	—							
	24	" " " " Washer	—							
	25	" " " " Handle	—							
	26	" " Glass	—							
	27	" " Guard	—							
	28	" " " Glass	—							
	29	" " ARRANGEMENT	1-SET.	560-D-633	—	—	—	—	—	—
	30	" " Cock	2	272-A-149 ~~420-D-238~~	ORD. IN P.D.	—	—	—	—	—
	31	" " " Valve	—							
	32	" " " Cap	—							
	33	" " " Stem	—							
	34	" " " Gland	—							
	35	" " " Nut	—							
	36	" " " Handle	—							
	37	" " " Extension	1	272-A-195 ~~420-D-1119~~	—	—	—	—	27-1	—
	38	" " BOTTOM FITTING	1	" "	STICK BRASS	—	—	—	—	—
	39	" " TOP "	1	" "	" "	—	—	—	—	—
	40	" " " " NUT	1	" "	" "	—	—	—	—	—
	41	" " FITTING TAIL PIECES	2	" "	BRAZING METAL	—	—	—	—	—
	42	" " BRACKET	1	272-A-196 ~~420-D-1120~~	—	272-A-196 ~~420-D-1120~~	—	—	—	—
	43									
	44	Valve Extension Handle Guide	—							
	45									
	46									
	47									
	48									
	49									
	50	**GROUP 28—COCK RIGGING**								
	51	Blow-off Cock Rigging	2-SET.	600-D-51	—	—	—	—	—	—
	52	" " " ~~Arm~~ HANDLE CATCH	2	"	PLATE	—	—	—	—	—
	53	" " " Crank	—							
	54	" " " Handle	2	600-D-51	—	600-D-51	—	—	—	—
	55	" " " Lever	—							
	56	" " " Rod	—							
	57	" " " Shaft	—							
	58	" " " Hanger	—							
	59	" " " Yoke	—							
	60	" " " Stop	—							
	61	" " " End	—							

(Group 28 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 28—COCK RIGGING (Cont.)	—							
	1									
	2									
	3	Cylinder Cock Rigging H.P.	1-SET.	30-D-113	—	—	—	—	—	—
	4	" " Arm	—							
	5	" " SAFETY STRAP H.P.	2	30-D-55	—	30-D-55	—	—	—	—
	6	" " Lever	—							
	7	" " " Fulcrum	—							
	8	" " Rod H.P.	2	30-D-113	—	30-S-205	—	—	—	—
	9	" " " ~~Supports~~ H.P.	2	"	—	FORGED SIZES 3/8" X 1" X 49 1/2" LONG.	—	—	—	—
	10	" " Shaft	—							
	11	" " " Hangers	—							
	12	" " " Bearing	—							
	13	" " Slide Bar	—							
	14	" " " " Connection	—							
	15	" " Treadle	—							
	16	" " Operating Cylinder	4	"HANCOCK"	ORD. IN P.D.	—	—	—	—	—
	17	" " " " Support	—							
	18	" " RIGGING L.P.	1SET.	30-D-114	—	—	—	—	—	—
	19	" " ROD L.P.	2	"	—	30-S-206	—	—	—	—
	20	" " SAFETY STRAP L.P.	2	30-D-64	—	30-D-64	—	—	—	—
	21	" " ROD L.P.	2	30-D-114	—	FORGED SIZES 3/8" X 1" X 49" LONG	—	—	—	—
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33	Main Reservoir Drain Cock Rigging	—							
	34	" " " " " Handle	—							
	35	" " " " " Support	—							
	36									
	37									
	38									
	39	Oil Cock Rigging	—							
	40	" " Arms	—							
	41	" " Lever	—							
	42	" " Rod	—							
	43	" " Shaft	—							
	44	" " " Hanger	—							
	45									
	46									
	47									
	48									
	49	**GROUP 29—CRANK PINS**								
	50	Crank Pin—Main	2 H.P. / 2 L.P.	292-C-265 / ~~190-D-78~~	FURNISH KEY MAT. ORD. IN P.D.	—	—	—	—	—
	51	" " —F.	2 H.P. / 2 L.P.	292-#A-265	" " " "	—	—	—	—	—
	52	" " —Int.	2 H.P. / 2 L.P.	292-#B-265	" " " "	—	—	—	—	—
	53	" " —Back	2 H.P. / 2 L.P.	292-#D-265	" " " "	—	—	—	—	—
	54	" "	—							
	55	" " Collars—Main	—							
	56	" " " —F.	2 H.P. / 2 L.P.	292-A-265 / ~~190-D-78~~	—	190-S-59 FINISH SIZES 7 1/2" DIA. X 1" THICK	—	—	—	—
	57	" " " —Int.	2 H.P. / 2 L.P.	292-#B-265	PLATE.		—	—	—	—
	58	" " " —B.	2 H.P. / 2 L.P.	292-#D-265	"	FINISH SIZES 7 1/2" DIA. X 1/2" THICK	—	—	—	—
	59	" " Nuts	—							
	60	Pressed Into Wheels (Tons)		LIMA STANDARD PRACTICE.		—	—	—	—	—
	61	Crank Pin Marking	—							

(Group 29 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 29—CRANK PINS (Cont.)	—							
	1									
	2									
	3	**GROUP 30—CROSSHEAD**								
	4	Crosshead—Body	2 H.P.	~~80-D-86~~ 303-A-81				30-252		
			2 L.P.	~~80-D-86~~ 303-A-81				30-252		
	5	" Wrist Pin (CARD 80-D-103 AFTER LOCOS. 5554-63)	2 H.P.	302-A-142	NIKROME STEEL.					
			2 L.P.	~~80-D-80~~	MAT. ORD. IN P.D.					
	6	" " " ~~Washer~~ COLLAR	2 H.P.	" "	CASEHARDENED.	80-S-30 AFTER 5554-63.				
			2 L.P.			80-S-18				
	7	" " " ~~Bearing~~ "	2 H.P.	" "	PLATE.					
			2 L.P.							
	8	" " " Grease Plugs	2 H.P.	" "	STEEL					
			2 L.P.							
	9	" " " Nuts	2 H.P.	" "		FIN. SIZES 4 9/16" HEX. 1 9/16" LONG.				
			2 L.P.							
	10	" Key	2 H.P.	303-A-81	CHROME					
			2 L.P.	~~80-D-86~~	VAN. STEEL.	FIN. SIZES 1"X4"X12 1/2" LONG.				
	11	" Plate	—							
	12	" Arm	—							
	13	" " Bushing	—							
	14	" Shoe—Top	2 H.P.	303-A-81	LINED WITH BABBITT.		HUNT-SPILLER			
			2 L.P.	~~80-D-86~~	CASTING ORD. IN P.D.		30-253			
	15	" " —Bottom	2 H.P.	" "	LINED WITH BABBITT		HUNT-SPILLER			
			2 L.P.		CASTING ORD. IN P.D.		30-253			
	16	" Wrist Pin Marking		LIMA STANDARD						
	17									
	18									
	19	**GROUP 31—CYLINDER**								
	20	CYLINDER - H.P.	2	317A14			31-23A			
	21	" L.P.	2	920E70			31-68			
	22	Cylinder Bushing H.P.	2	317A14	CASTING ORD. IN P.D.		HUNT-SPILLER 31-32			
	23	" " L.P.	2	920E70	" " " "		HUNT-SPILLER 31-33			
	24	L.P. CYLINDER ARRANGEMENT.		314A1						
	25									
	26	VALVE ROD CROSSHEAD GUIDE O.S.-L.P.	2	60-D-124			60-P-14			
	27	" " " " 1.S. L.P.	2	60-D-125			60-P-13			
	28	**GROUP 32—CYLINDER DETAILS**								
	29	Cylinder Head—Front L.P.	IR. IL.	20-D-120				R. 32-139 L. 32-139-A		
	30	" " —Back L.P.	IR. IL.	324A8				R. 32-103 L. 32-103-A		
	31	" " Cover—Front L.P.	IR. IL.	322A135	PLATE. MAT. ORD. IN P.D.					
	32	" " " —Back L.P.	IR. IL.	"	" " " "					
	33	Casing Clamp	20	40-D-01						32-96
	34	" Nut	4	322B12			32-112			
	35	Steam Chest Head—Front H.P.	2	~~323-A-186~~ ~~40-D-123~~			32-452			
	36	" " " —Back	2-H.P.	~~40-D-207~~ 323-A-113			32-111			
			2-L.P.	~~40-D-213~~ 323-B-113			32-111			
	37	" " " Cover—Front H.P.	2	~~322-A-427~~ ~~20-D-69~~	PLATE. MAT. ORD. IN P.D.		~~32-453~~			
	38	" " " " —Back H.P.	2	322-C-427	PLATE. MAT. ORD. IN P.D.					
	39	" " " " Clips	—							
	40	" " Bushing	4 H.P.	322-A-426 ~~40-D-108~~	CASTING ORD. IN P. DEPT.		HUNT-SPILLER 32-92			
	41	CYLINDER HEAD COVER H.P. FRONT	2	322A134	PLATE. MAT. ORD. IN P.D.					
	42	" " " H.P. BACK	2	"	" " " "					
	43	STEAM CHEST HEAD CAP - FRONT.	2	323-B-186 ~~40-D-123~~			32-453			
	44	Valve Rod Crosshead Guide H.P.	4	60-D-117			60-P-13			
	45	" " " " ~~Wearing Plate~~ SHIMS	8	"	PLATE.	FINISH SIZES 1"X2"X16 1/2" 8				
	46	STEAM CHEST HEAD BUSHING. FRONT H.P.	2	323-A-186 ~~40-D-123~~					32-454	
	47	" " BUSHING	4 L.P.	322-A-282 ~~40-D-198~~	CASTING ORD. IN P. DEPT.		HUNT-SPILLER 32-455			
	48	Steam Chest	—							
	49	" " Caps	—							
	50	" " Balance Plates	—							
	51	" " Covers	—							
	52	" " Casings	—							
	53	CYLINDER HEAD FRONT - H.P.	~~IR.~~ IL. 2	AFTER 5563. 4-1-18 ~~20-D-125~~	323-A-187			32-141 AFTER 5563. ~~R. 20-P-14~~ ~~L. 20-P-23~~		
	54	" " BACK - H.P.	~~IR.~~ IL. 2	323-A-188 ~~20-D-126~~ AFTER 5563. 4-1-18.				~~R. 20-P-15~~ ~~L. 20-P-21~~ 32-143 AFTER 5563.		
	55									
	56	STEAM CHEST HEAD COVER. FRONT L.P.	2	~~322-B-427~~ ~~20-D-133~~	PLATE. MAT. ORD. IN P.D.					
	57	" " " " BACK L.P.	2	322-D-427 "	PLATE. MAT. ORD. IN P.D.					
	58	VALVE CHAMBER HEAD - FRONT. L.P.	2	322-A-174 ~~40-D-215~~			32-456			
	59	" " "CAP " L.P.	2	" "			32-457			
	60	" " "BUSHING" L.P.	2	" "				~~32-458~~	32-458	
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 33—CYL. COMPOUND AT'CHM'TS								
	1	Intercepting Valve Arrangement		~~40-E-209~~ 327-A-4	—	—	—	—	—	—
	2	" " Chamber	1	~~40-E-208~~ 334-A-3	—	—	33-3	—	—	—
	3	" " " Cap	1	~~40-E-209~~ 327-A-4	CASTING ORD. IN P.D.	—	40-P-43	—	—	—
	4	" " " "	1	327-A-4 #	—	—	33-9	—	—	—
	5	" " " " Pack'g Ring	—							
	6	" " PISTON ~~Snap~~ Rings	1-SET.	~~40-E-209~~ 327-A-4	ORD. IN P.D.	—	HUNT-SPILLER 40-P-45	—	—	—
	7	" " REDUCING VALVE	1	# "	—	—	—	40-P-41	—	—
	8	" " ~~Bushing~~ " " RINGS	1SET	# "	ORD. IN P.D.	—	HUNT-SPILLER 40-P-46	—	—	—
	9	" " Stem	1	~~40-E-209~~ 327-A-4	HIGH CARBON STEEL 35 TO 40% CARBON	40-S-15	—	—	—	—
	10	" " " ~~Nut~~ COLLAR	1	# "	—	FINISH SIZES 3 3/8" DIA X 2 1/2" LONG	—	—	—	—
	11	" " ~~Spring~~ BUSHING	1	# "	—	—	33-1	—	—	—
	12	" " ~~Lock Stud~~ PACKING	1SET	# "	ORD. IN P.D.	—	—	—	—	—
	13	" " ~~Disc~~ SPRING	1	~~40-E-209~~ 327-A-4	ORD. IN P.D	—	—	—	—	—
	14	" " ~~Chamber~~ Joint Ring	2	~~40-E-208~~ 334-A-3	—	—	—	—	79-94	—
	15	" " Pipe Flange	—							
	16	" " Bracket	—							
	17	" " Dash Pot	—							
	18	" " " " Piston	—							
	19	" " " " Head	—							
	20	" " STEM GUIDE	1	~~40-E-209~~ 327-A-4	—	—	33-7	—	—	—
	21	" "	1	# "	—	FINISH SIZES 10 11/16" DIA. X 2" THICK.	—	—	—	—
	22	" " PISTON	1	# "	—	—	33-10	—	—	—
	23	" " STUD	1	# "	—	—	—	—	—	—
	24									
	25	Receiver Pipe Arrangements	—							
	26	" " CONNECTION	1	560-D-306	—	—	33-4	—	—	—
	27	" " Sleeve	4	~~340-D-272~~ 334-A-2	ORD. IN P.D.	—	—	—	—	—
	28	" " ~~Flange~~ SECTION	1	" #	—	—	—	33-20	—	—
	29	" " ~~Ball Joint~~ COLLARS	4	" #	—	—	—	33-21	—	—
	30	" " " " Packing ~~Flange~~	1-SET.	" #	ORD. IN P.D.	—	—	—	—	—
	31	" " " " " Rings	2	" #	—	—	44-200	—	—	—
	32	" " " " SQUEEZE "	2	" #	—	340-5-12	—	—	—	—
	33	" " ~~Straps~~ BALL END	1	" #	—	—	—	33-5A	—	—
	34	" " ~~Supports~~ JOINT COLLAR	1	" #	—	340-5-15	—	—	—	—
	35	" " ~~Yll Pipe~~ SPLIT RING	1	" #	RING FORGED IN CIRCLE THEN MACHINED THEN CUT IN TWO EQUAL PARTS.	340-S-05	—	—	—	—
	36	" " ~~Casing~~ GLAND-BALL END.	1	" #	—	—	44-104	—	—	—
	37	" " " " SECTIONS.	2	" #	PIPE MAT. ORD. IN P.D.	—	—	—	—	—
	38	" " " " JOINT RINGS	4	" #	—	—	33-22	—	—	—
	39	" " " " SLIP END	1	" #	—	—	33-19A	—	—	—
	40	" " " " " " PACKING RING	1	" #	—	—	—	—	33-18	—
	41	" " " ~~Joint Ring~~ " " PACKING GLAND	1	" #	—	—	—	—	33-17	—
	42	" " HANGER	2	~~230-D-417~~ 332-A-1	—	—	—	33-2	—	—
	43	" " STRAP	2	" #	—	230-5-68	—	—	—	—
	44	Reducing Valve	—							
	45	RECEIVER PIPE CONNECTION CASING.	1	~~560-D-306~~ 333-A-11	—	—	33-23	—	—	—
	46	" " " "	1	" #	—	—	33-24	—	—	—
	47	" " " "	1	" #	—	—	33-25	—	—	—
	48	" " " "	1	" #	—	—	33-26	—	—	—
	49	~~Separate Exhaust Valve~~ " "	1	" #	—	—	33-27	—	—	—
	50	" " " JOINT RING.	2	" #	—	—	33-28	—	—	—
	51									
	52									
	53									
	54	Starting Valve								
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 34—CYL. BY-PASS & RELIEF VALVE								
	1	By-Pass Valve	—							
	2	" " Casing	—							
	3	" " Cap	—							
	4	" " Nut	—							
	5	" " Stem	—							
	6	" " Spring	—							
	7	" " Piston	—							
	8	" " Ring	—							
	9									
	10	Cyl. Head Relief Valve L.P.	4	NATHAN 2" PIPE TAP	ORD. IN P.D.	—	—	—	—	—
	11	" " " " Cap	—							
	12	" " " " Nut	—							
	13	" " " " Stem	—							
	14	" " " " Casing	—							
	15	" " " " Spring	—							
	16									
	17	Cyl. Relief Valve L.P.	2	CRANE. 3½" No. 1134.	ORD. IN P.D.	—	—	—	—	—
	18	" " " Cap	—							
	19	" " " Nut	—							
	20	" " " Stem	—							
	21	" " " Spring	—							
	22	" " " EXTENSION	2	3½" EXTRA HEAVY PIPE LENGTH TO SUIT		—	—	—	—	—
	23	St. Chest Relief Valve	—							
	24	" " " " Cap	—							
	25	" " " " Nut	—							
	26	" " " " Stem	—							
	27	" " " " Spring	—							
	28	" " Vacuum Valve	—							
	29	" " " " Cap	—							
	30	" " " " Nut	—							
	31	" " " " Stem	—							
	32	" " " " Spring	—							
	33									
	34									
	35									
	36									
	37	**GROUP 35—DIE WORK**								
	38	Flanging Dies	—							
	39									
	40									
	41									
	42									
	43									
	44									
	45	**GROUP 36—DOME**								
	46	Dome ✓	1	700-D-118	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	47	" Flange RADIUS		48" RADIUS		—	—	—	—	—
	48	" Ring	—							
	49	" Cap	1	~~700-D-107~~ 362-A-142	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	50	" Casing	1	360-D-59	PLATE MAT. ORD. IN P.D.	—	—	—	—	—
	51	" Shut Off Valve	—							
	52	" " " " Cap	—							
	53	" " " " Casing	—							
	54	" " " " Stuffing Box	—							
	55	" " " " Packing	—							
	56	" " " " Nut	—							
	57	" " " " Gland	—							
	58	" " " " Stem	—							
	59	" " " " Universal Joint	—							
	60	" " " " Handle	—							
	61									

(Group 36 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 36—DOME (Cont.)	—							
	1									
	2									
	3									
	4	Auxiliary Dome FLANGE	1	700-D-65	—	—	—	14-10	—	—
	5	" " Cap	1	700-D-32	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	6	" " Casing	1	360-D-60	PLATE.	—	—	—	—	—
	7	" " " FLOW BOWL.	1	"	"	—	—	—	—	—
	8									
	9	**GROUP 37—DRAWGEAR**								
	10	Coupler—Front	1	"STARK"	ORD. IN P.D.	—	—	—	—	—
	11	" Uncoupling Shaft	1	250-D-222	—	250-S-170	—	—	—	—
	12	" " " Bracket	3	~~270-D-117~~ 372-A-229	—	—	—	—	—	37-315
	13	" " " "	—							
	14	" " " Handle	—							
	15	" Drawhead	1	270-D-118	—	—	—	37-383	—	—
	16	Buffer—Front	—							
	17	Drawbar—Between Eng. & Tender	1	~~270-D-122~~ 372-A-472	BROWN IRON. ORD. FORGED SIZES.	—	—	—	—	—
	18	" Pin FRONT	1	~~270-D-128~~ 372-B-234	IN P. DEPT. —	372-B-234 ~~270-D-128~~	—	—	—	—
	19	~~Safety Bar~~ "BACK"	1	~~270-D-220~~ 372-A-250	—	~~270-D-220~~ 372-A-250	—	—	—	—
	20	" " Pin	—							
	21	SAFETY Chain	2	280-D-269	COMPLETE.	280-D-269	—	—	—	—
	22	" " Clevis	—							
	23	" " Pin	4	280-D-269	—	280-S-29	—	—	—	—
	24	Radial Buffer	1-SET.	250-D-237	MAT. ORD. IN P.D.	—	—	—	—	—
	25	DRAW BAR PIN BUSHING	2	~~280-D-246~~ 473-A-214	—	270-S-108	—	—	—	—
	26	Chafing Plate	—							
	27									
	28									
	29									
	30									
	31									
	32									
	33									
	34									
	35	**GROUP 39—ECCENTRIC**								
	36	Eccentric Crank	2H.P. ~~140-D-111~~ 392-A-88 / 2L.P. ~~140-D-120~~		—	140-S-74 / 140-S-75	—	—	—	—
	37	" " Bolt	— ~~392-B-88~~							
	38	" " Key	2H.P. / 2L.P. 190-D-78	—	—	—	—	—	—	—
	39	" " Location	H.P. 140-D-118 / L.P. 140-D-119	—	—	—	—	—	—	—
	40	" " Pin WASHER	2H.P. / 2L.P. ~~140-D-111~~ 392-A-89	PLATE. FIN. SIZES 5" DIA. X 3/8" THICK	—	—	—	—	—	—
	41	" " " Washer	—							
	42	" Rod H.P.	I.R. / I.L. ~~140-D-111~~ 392-A-88	FURNISH PINS.	140-S-76	—	—	—	—	—
	43	" " ~~Stub~~ L.P.	I.R. / I.L. ~~140-D-120~~ 392-B-88	FURNISH PINS.	140-S-77	—	—	—	—	—
	44	" " Brass	2H.P. / 2L.P. ~~140-D-111~~ 392-A-88	—	—	—	—	—	39-145	—
	45	" " Pin	2H.P. / 2L.P. ~~140-D-111~~ 392-A-88	HIGH CARBON STEEL.	FINISH SIZES 3 3/4" DIA. X 9 5/8" LONG	—	—	—	—	—
	46	" Large Half	—							
	47	" Small "	—							
	48	" Strap Large Half	—							
	49	" " Small "	—							
	50	" " Liner	—							
	51									
	52									
	53									
	54									
	55									
	56	**GROUP 40—ENG. TRUCK, LEADING**								
	57	Engine Truck Arrangement	1-SET	930 E53	"ECONOMY"	—	—	—	—	—
	58	" " Frame MANUFACTURED UNDER REPAIR ORDER No. 6537.	1	440-D-486	ORD. IN P.D.	—	—	—	—	—
	59	" " " Brace	—							
	60	" " " "	—							
	61	" " " Crosstie	—							

(Group 40 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 40—ENG. TRUCK LEADING (Cont.)								
	1	Engine Truck Pedestal	—							
	2	" " "	—							
	3	" " " ~~Cap~~ SHOE	4	~~402-A-349~~ ~~440-D-204~~	MAT. ORD. IN P.D.	~~402-A-349~~ ~~440-D-204~~	—	—	—	—
✓	4	" " " " Brace	2	440-D-212	—	440-S-139	—	—	—	—
	5	" " Saddle	—							
	6	" " Equalizer (Over Box)	—							
	7	" " " " "	—							
	8	" " Bolster MANUFACTURED UNDER REPAIR ORDER No. 6537.	1	440-D-197	ORD. IN P.D.	—	—	—	—	—
	9	" " ~~Center Plate~~ LINKS	4	930E53	—	440-S-140	—	—	—	—
	10	" " " " Washer	—							
✓	11	" " CENTER Pin	1	440-D-175	—	—	—	40-4	—	—
✓	12	" " " " Bolt	1	440-D-176	—	440-D-176	—	—	—	—
	13	" " " " " Key	—							
	14	" " Check Chain	—							
	15	" " " " Bolt	—							
	16	" " " " Clevis	—							
	17	" " Swing Frame	—							
	18	" " " Link MANUFACTURED UNDER REPAIR ORDER No. 6537.	2	440-D-256	ORD. IN P.D.	—	—	—	—	—
	19	" " " " Pins	—							
	20	" " " " "	—							
	21	" " " Pin Key	—							
	22	" " " Rocker	—							
	23	" " Connecting Links	—							
	24	" " " " Pins	—							
	25	" " Spring Hanger	4	440-D-212	—	440-S-137	—	—	—	—
	26	" " " "	—							
	27	" " " " Gib	—							
	28	" " " Seat	—							
	29	" " - - FRAME CLIP	2	440-D-212	—	FORGED SIZES 1 13/16 x 2 1/2 x 4 1/2	—	—	—	—
	30	" " BOLTS	1 SET.	440-D-212	—	440-D-212	—	—	—	—
	31	" " Safety-Strap								
✓	32	" " Radius Bar	1	440-D-495	—	440-S-347	—	—	—	—
	33	" " " " Brace	1R. 1L.	"	—	440-S-348	—	—	—	—
	34	" " " " End	1	"	—	—	—	40-119	—	—
	35	" " " " Pin	—							
✓	36	" " " " CLAMP	1	440-D-437	MAT. ORD. IN P.D.	440-S-200	—	—	—	—
	37	" "								
	38									
	39									
	40									
	41									
	42									
	43									
	44	**GROUP 41—ENG. TRUCK TRAILING**								
	45	Trailing Truck Arrangement "ECONOMY"		(930E54)	—	—	—	—	—	—
	46	" " Bolster MANUFACTURED UNDER REPAIR ORDER # 6537	1	440-D-263	ORD. IN P.D.	—	—	—	—	—
	47	" " ~~Center Plate~~ LINKS	4	930E54	—	440-S-140	—	—	—	—
	48	" " " " Washer	—							
	49	" " CENTER Pin	1	440-D-257	—	—	—	41-91	—	—
	50	" " " " " Bolt	—							
	51	" " " " " " Key	—							
	52	" " Equalizer (Over Box)	—							
	53	" " " YOKE - -	1	440-D-262	—	—	—	41-94	—	—
	54	" " Frame MANUFACTURED UNDER REPAIR ORDER No. 6537.	1	440-D-285	ORD. IN P.D.	—	—	—	—	—
	55	" " " Brace	—							
	56	" " " "	—							
	57	" " " Crosstie	—							
	58	" " Pedestal	—							
	59	" " " ~~Cap~~ SHOE	4	440-D-204	MAT. ORD. IN P.D.	440-D-204	—	—	—	—
	60	" " " - Brace	2	440-D-281	—	440-S-139	—	—	—	—
	61	" " ~~Saddle~~ BOLTS	1 SET.	440-D-212	—	440-D-212	—	—	—	—

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 41—ENG. TRAILING TRUCK (Cont.)								
	1	Engine Truck Swing Frame	—							
	2	" " " Link MANUFACTURED UNDER REPAIR ORDER No. 6537	2	440-D-256	ORD. IN P. D.	—	—	—	—	—
	3	" " " " Pin	—							
	4	" " " " "	—							
	5	" " " Pin Key	—							
	6	" " Guide Frame	—							
	7	" " Spring Hanger	4	440-D-281	—	440-S-137	—	—	—	—
	8	" " " "	—							
	9	" " " " Gib	—							
	10	" " " " "	—							
	11	" " " Seat	—							
	12	" " " "	—							
	13	" " " Yoke	—							
	14	" " " " Hinge	—							
	15	" " " " Seat	—							
	16	" " " " Pin	—							
	17	" " " " Case Cap	—							
	18	" " Chafing Plate	—							
	19	" " Safety Strap	—							
	20	" " Check Chain	—							
	21	" " " " Bolt	—							
	22	" " " " Clevis	—							
	23	" " Center Spring	—							
	24	" " " " Case	—							
	25	" " " " Rod	—							
	26	" " " " Seat	—							
	27	" " Radius Bar	1	440-D-274	—	440-S-201	—	—	—	—
	28	" " " " Brace	1 R. 1 L.	"	—	440-S-202	—	—	—	—
	29	" " " " Clamp	—							
	30	" " " " End	—							
	31	" " " " Pin	—							
	32	" " " " " Keeper	—							
	33	" " FRAME CLIP	2	440-D-281	—	440-D-281	—	—	—	—
	34									
	35									
	36									
	37									
	38									
	39									
	40	**GR. 42—ERECTING CARDS, Elevations**								
	41	Elevation		420A59	—	—	—	—	—	—
	42									
	43	Bachkead Arrangement	1 SET.	560-E-654	—	—	—	—	—	—
	44	**GR. 43—ERECTING CARDS, Cross Sec.**								
	45	Cross Section		430A50	—	—	—	—	—	—
	46	EXHAUST PIPE ARRANGEMENT.		314-A-1	—	—	—	—	—	—
	47	**GROUP 44—EXHAUST PIPE**								
	48	Exhaust Pipe	1	~~340-D-284~~ 443-A-68	—	—	44-74	—	—	—
	49	" Nozzle	1	443-A-68	—	—	44-524	—	—	—
	50	" Tips	1	442B47	—	—	44-73	—	—	—
	51	" " 1—443-B-68 1—443-C-68 1—443-D-68	3	340-D-284	1—BORED 7 1/2" 1—" 7 3/8" 1—" 7 3/4"	—	44-525	—	—	—
	52	" - PIPE SEAT.	1	443-E-68	—	—	44-106	—	—	—
	53	~~Blower Ring~~ PIPE - BRANCH PIPE	1	340-D-283	—	—	44-523	—	—	—
	54	Exhaust Pipe Ball JOINT PACKING	2-SET.	"VULCABESTON"	ORD. IN P.D.	—	—	—	—	—
	55	" " ~~Flange~~ SLEEVE - BALL END.	1	~~340-D-260~~ 443-A-46	CASTING ORD. IN P. DEPT.	—	44-196	—	—	—
	56	" " ~~Gland~~ " " "	1	" "	" " "	—	44-199	—	—	—
	57	" " Rings	2	" "	" " "	—	44-200	—	—	—
	58	" " Seat	2	" "	—	340-S-12	—	—	—	—
	59	" " ~~Sleeve~~ "	2	" "	—	340-S-13	—	—	—	—
	60	" " ~~Spring~~ PACKING RINGS	1 SET	" "	CASTING ORD. IN P. DEPT.	—	65-193	—	—	—
	61	" " GLAND	1	" "	" " "	—	44-104	—	—	—

(Group 44 Continued

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 44—EXHAUST PIPE (Cont.)								
	1	~~Superheater~~ Exhaust Pipe RINGS	2	~~340-D-260~~ 443-A-46	CASTING ORD. IN P. DEPT.	—	44-201	—	—	—
	2	" " " ~~Elbow~~ BRANCH PIPE JOINT RING	1	340-D-283	—	—	44-496	—	—	—
	3	" " " ~~Ring~~ JOINT RING BET. WYE PIPE & ELBOW	2	792 P46	—	—	79-135	—	—	—
	4	" " " Support	—							
	5	" " " Joint Ring	—							
	6	" " " Casing	—							
	7	EXHAUST WYE PIPE	1	340-D-261	—	—	44-103	—	—	—
	8	" PIPE ELBOW	2	340-D-202	CASTING ORD. IN P. DEPT.	—	44-240	—	—	—
	9	" " JOINT RINGS & CYLINDER BET. ELBOW	2	792 N 46	—	—	79-135	—	—	—
	10	" " GLAND	1	~~340-D-260~~ 443-A-46	CASTING ORD. IN P. DEPT.	—	44-105	—	—	—
	11	**GROUP 45—FIREDOOR & FIREBRICK**								
	12	Fire Brick Arrangement	1-SET.	780-E-40	MAT. ORD. IN P.D.	—	—	—	—	—
	13	Arch Tube	1-SET.	"	" " " " "	—	—	—	—	—
	14	" " Covers	—							
	15	" " Setting		780-D-19	—	—	—	—	—	—
	16	" Box Cross Carrier ANGLES	1 SET.	780-D-43	MAT. ORD. IN P.D.	—	—	—	—	—
	17	FIRE BOX COMBUSTION CHAMBER SUPPORT	4	780-D-03	—	780-D-03	—	—	—	—
	18	" " CROSS CARRIER	1	780-D-43	—	—	—	45-20	—	—
	19	" " " " PLATES	1 SET	"	MAT. ORD. IN P.D.	—	—	—	—	—
	20	Fire Door Arrangement	1	FRANKLIN VERTICAL	ORD. IN P. D.	—	—	—	—	—
	21	" " Frame	—							
	22	" " Hinges	—							
	23	" " Liner	—							
	24	" " Latch	—							
	25	" " " Guide	—							
	26	" " Catch	—							
	27	" " Register	—							
	28	" " Handle	—							
	29	" " Lever	—							
	30	" " Shaft	—							
	31	" " Slide	—							
	32	" " Damper	—							
	33	" " " Details	—							
	34	" " Shield	1	452 E 16	PLATE	—	—	—	—	—
	35	" " " Support	3	"	—	380-S-33	—	—	—	—
	36	" " " Angle	1 SET	"	—	452 E 16	—	—	—	—
	37	" " " EDGE	1	"	—	"	—	—	—	—
	38	" BRICK ARCH CAP	2	780-D-46	—	—	45-138	—	—	—
	39	Smoke Consumer	—							
	40	FIRE BRICK ARCH CAP	3	780-D-47	—	—	45-139	—	—	—
	41	**GROUP 46—FRAMES**								
	42	Frame ~~Pattern & Slotting~~ LOW PRESSURE.	1-R.	810-E-93	—	—	—	VANADIUM STEEL 46-263	—	—
	43	" ~~Drilling~~ " "	1-L.	"	—	—	—	VANADIUM STEEL 46-264	—	—
	44	" HIGH "	1 R.	810-E-94	—	—	—	VANADIUM STEEL 46-1	—	—
	45	" ~~Cradle~~ " "	1-L.	"	—	—	—	VANADIUM STEEL 46-2	—	—
	46	" Rail TOP LOW "	1-R.	810-E-93	—	—	—	VANADIUM STEEL 46-265	—	—
	47	" ~~Splice~~ TOP " "	1-L.	"	—	—	—	VANADIUM STEEL 46-266	—	—
	48	" Pedestal Binder ~~Nut~~ MAIN.	2 H.P.	810-E-94	MAT. ORD. IN P.D.	FORGED SIZES 4½"×5"×46¾"	—	—	—	—
			2 L.P.	810-E-93						
	49	" " " ~~Nut~~ OTHERS.	6 H.P.	810-E-94	" " " " "	FORGED SIZES 4½"×5"×45¾"	—	—	—	—
			6 L.P.	810-E-93						
	50	" " " No. 3	—							
	51	" " " No. 4	—							
	52	" " " No. 5	—							
	53	" " " Bolt	—							
	54	" " " "	—							
	55	" RAIL-BOTTOM LOW PRESSURE	2	810-E-93	—	—	—	VANADIUM STEEL 46-267	—	—
	56	Pedestal Shoe ~~Main~~	4	~~180-D-205~~ 462-A-159	CASTING ORD. IN P.D.	—	HUNT-SPILLER 46-132	—	—	—
	57	" "	12	"	" " "	—	HUNT-SPILLER 46-132-A	—	—	—
	58	" Wedge—Main	4	FRANKLIN	ORD. IN P.D.	—	—	—	—	—
	59	" " OTHERS	12	"	" " "	—	—	—	—	—
	60	" " Bolt—~~Main~~	16	"	" " "	—	—	—	—	—
	61	" " " ARRANGEMENT		180-D-206	—	—	—	—	—	—

(Group 46 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 46—FRAMES (Cont.)	—							
	1									
	2									
	3									
	4									
	5									
	6									
	7	**GROUP 47—FRAME DETAILS**								
	8	Frame Filling—~~Front~~	2	472-B-510 ~~230-D-403~~	—	—	—	47-433	—	—
	9	" " ~~Int.~~	2	472-B-509 ~~230-D-438~~	—	—	—	47-432	—	—
	10	" " ~~Back~~	6	472-A-510 ~~230-D-395~~	—	—	—	47-433	—	—
	11	" Wearing Plate (For Spr. Hanger)	6	810-E-93	—	280-S-27	—	—	—	—
	12	Foot Plate USE CD 473-B-214 AFTER 5563	1	473-A-214 ~~280-D-246~~	—	—	—	47-6	—	—
	13	Front Deck Casting	1	~~280-D-137~~ 473-A-267	—	—	—	47-50	—	—
	14	Center Pin Guide	—							
	15	Back Head Brace	—							
	16	Expansion "	—							
	17	FRAME WEARING PLATE (FOR SPRING HGR)	6	810-E-94	—	280-S-26	—	—	—	—
	18	" FILLING	2	472-A-509 ~~230-D-396~~	—	—	—	47-432	—	—
	19	" " PINS	8	472-A-510 ~~230-D-395~~	—	240-S-426	—	—	—	—
	20									
	21									
	22									
	23	Ash Pan Crosstie	—							
	24	Brace Crosstie	4	472-A-368 ~~230-D-418~~	—	—	—	47-425	—	—
	25	" "	1	472-A-494 ~~230-D-386~~	—	—	—	47-436	—	—
	26	Center Pin Crosstie	—							
	27	Cylinder "	—							
	28	Furnace "	1	473-B-148 ~~230-D-423~~	—	—	—	47-435	—	—
	29	" "	—							
	30	Grate "	1	390-D-717	—	—	—	47-105A	—	—
	31	" " KNEE	1-R.	390-D-645	—	—	—	47-19	—	—
	32	~~Pedestal~~ " "	1-L.	"	—	—	—	47-20	—	—
	33	" "	—							
	34	" "	—							
	35	Radius Bar " (ENGINE TRUCK)	1	440-D-437	—	—	—	47-85	—	—
	36	" " " ~~Clamp~~ PIN " "	1	"	HIGH CARBON STEEL	FINISH SIZES 3"DIA. 6"LONG	—	—	—	—
	37	Waist Sheet "	—							
	38	" " "	—							
	39	" " "	—							
	40	" "	—							
	41	" "	—							
	42	" "	—							
	43	RADIUS BAR CROSSTIE (TRAILING TRUCK)	1	440-D-505	MAT. ORD. IN P.D.	440-S-199	—	—	—	—
	44	~~Furnace Bearer~~ " CLAMP " "	1	"	" " " "	440-S-200	—	—	—	—
	45	" " ~~Brace~~ " PIN " "	1	"	HIGH CARBON STEEL.	FINISH SIZES 3"DIA. X 5½"LONG	—	—	—	—
	46	FURNACE ~~BEARER~~ Clamp	2	473-B-148 ~~230-D-423~~	—	FORGED SIZES 3"X 3"X 18⅛"LONG.	—	—	—	—
	47	" " ~~Filling~~ LINER	2	"		3/4	—	—	—	—
	48	" " Knee	2	230-D-233	MAT. ORD. IN RD.	—	—	47-434	—	—
	49	" " Link	—							
	50	" " Plate	—							
	51	" " Pad	—							
	52	" " "	—							
	53	" " Sheet—~~Front~~	1	230-D-450	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	54	" " " —Back	—							
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 47—FRAME DETAILS (Cont.)								
	1	Centering Device Arrangement	—							
	2	" " Body	1	~~230-E-415~~ 474-A-64				47-4		
	3	" " Top Bearing	—	SEE PAGE 6 ITEM 24						
	4	" " Shoe	1	~~230-E-415~~ 474-A-64			47-429			
	5	" " Rod	1	230-D-353	MAT. ORD. IN P.D.					
	6	" " " Stand	2	~~230-E-415~~ 474-A-64			47-428			
	7	" " Spring Seat	2	230-D-203			47-427			
	8	" " Clamp	2	230-D-416				47-424		
	9	" " End Plates	2	~~230-E-415~~ 474-A-64	PLATE. MAT. ORD. IN P.D.					
	10	" " SPRING SEPARATOR	2	230-D-202			47-426			
	11	Hinge Casting—L. P.	1	~~280-D-252~~ 473-A-174				47-315		
	12	" " Bushing	1	" "	LOW CARBON STEEL.	280-S-47				
	13	" " Pin H.P.	—	~~280-D-253~~						
	14	" " " Keeper H.P.	1	~~280-D-253~~ 472-A-496		FORGED SIZES 3"×6"×18 3/4" LONG				
	15	" " —H. P.	1	~~280-D-253~~ "				47-1		
	16	" " Bushing	1	" "	LOW CARBON STEEL.	280-S-53				
	17	" " Pin	1	" "	LOW CARBON STEEL.	280-S-46				
	18	CENTERING DEVICE SLIDE CAP	2	~~230-E-415~~ 474-A-64	FORGED SIZES 1"×3 1/2"×5"					
	19	L.P. HINGE CASTING BLOCK	2	~~280-D-252~~ 473-A-174			47-39			
	20	H.P. " " BUSHING	1	~~280-D-253~~ 472-A-496	LOW CARBON STEEL	280-S-49				
	21	H.P. " " KEY	2	"		FINISH SIZES 1 1/2"×2"×16" LONG				
	22									
	23									
	24									
	25	WAIST BEARER	1	~~230E414~~ 474-A-65				230-P-36		
	26	" " TIE	1	" "				~~47-5~~ 47-605-A		
	27	" " SHOE	1	" "			230-P-37			
	28	" " CLAMP	2	230-D-210	MAT. ORD. IN P.D.	230-D-210				
	29	" " SLIDE CAP	2	~~230E414~~ 474-A-65		FORGED SIZES 1 1/2"×3 1/2"×5" LONG				
	30									
	31	GR. 49—GAUGES, T'MPLATES & JIGS								
	32									
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40									
	41									
	42									
	43	GROUP 50—GUIDES								
	44	Guide—~~Top~~ H.P.	4	~~90-D-162~~ 503-A-156		90-S-81				
	45	" —~~Bottom~~ L.P. UPPER	2	~~90-D-160~~ 503-A-155		90-S-79				
	46	" ~~Liner~~ L.P. LOWER	2	" "		90-S-80				
	47	" -YOKE L.P.	1	" "	MAT. ORD. IN P.D.	FINISH SIZES 1 3/4"×1 3/4"×100" LONG				
	48	" Yoke H.P.	1	~~90-D-162~~ 503-A-156	MAT. ORD. IN P.D.	FINISH SIZES 1 3/4"×1 3/4"×100"				
	49	" " Bracket L.P.	1	~~90-D-161~~ 502-B-201				50-39		
	50	" " End L.P.	1R. 1L.	~~90-D-160~~ 503-A-155				R. 50-41 L. 50-42		
	51	" " " H.P.	1R. 1L.	~~90-D-162~~ 503-A-156				R. 50-43 L. 50-44		
	52	" Filling	—							
	53	" Knee	—							
	54	" Block	—							
	55	" "	—							
	56	" Yoke Sheet	—							
	57	" Cover H.P.	4	90-D-166	PLATE.					
	58	" " L.P.	4	90-D-167	"					
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 51—GRATE ARRANGEMENTS								
	1	Grate Arrangement	1-SET.	390-E-760	—	—	—	—	—	—
	2									
	3									
	4	**GROUP 52—GRATE DETAILS**								
	5	Grate Bar	15	390-D-741	—	—	52-261-B	—	—	—
	6	" "	15	390-D-743	—	—	52-261-A	—	—	—
	7	" "	2	390-D-740	—	—	52-262-A	—	—	—
	8	" "	2	390-D-742	—	—	52-260-A	—	—	—
	9	Dead Grate	2	390-D-647	—	—	52-258	—	—	—
	10	" "	—							
	11	Grate Center Rail—Front AFTER LOCOS. 5563 & FOR REPAIRS USE CD. 522A5	1	390-D-739	—	—	52-1138	—	—	—
	12	" " " —Back AFTER LOCOS. 5563 & REPAIRS USE CD. 522A4 522A6	1	390-D-738 LOCOS. 5554-5558 ONLY.	LOCOS. 5559-5563	—	52-538	—	—	—
	13	" Side Rail—~~R.~~ FRONT.	1R. 1L.	390-D-735	—	—	R. 52-236 L. 52-237	—	—	—
	14	" " " —~~L.~~ BACK.	1R. 1L.	"	—	—	R. 52-238 L. 52-239	—	—	—
	15	" Drop Plate	2	390-D-744	—	—	52-259	—	—	—
	16	" " " SAFETY STRAP	2	390-E-760	—	FORGED SIZES 3/8" X 2" X 8 1/2" LONG	—	—	—	—
	17	" " " Arm	—							
	18	" " " ~~Crank~~ LEVER LOCK LOCOS. 5558 TO 5563	2	522A3	—	522A3	—	—	—	—
	19	" " " Handle	—							
	20	" " " Lever	1R. 1L.	390E760	—	390-S-729	—	—	—	—
	21	" " " Lock Pin	2	522M428	—	522M428	—	—	—	—
	22	" " " Rod	1R. 1-L.	390-E-760	—	390-S-678	—	—	—	—
	23	" " " Shaft	—							
	24	" " " Support	—							
	25	" Shaft	1	390-E-760	MAT. ORD. IN P.D.	FORGED SIZES 2 1/4" SQ. 95" LONG	—	—	—	—
	26	" " Bearing	1R.	390-D-734	—	—	—	52-1134	—	—
	27	" " "	1L.	"	—	—	—	52-1135	—	—
	28	" Support CENTER RAIL (FRONT)	1	390-D-318	—	—	—	52-223-A	—	—
	29	" " " " (BACK)	1	390-D-736	—	—	—	52-1136	—	—
	30	" "SHAFT BEARING PIN	4	390-D-734	—	390-D-734	—	—	—	—
	31	" Lock Pin	—							
	32	" Lever Catch	—							
	33	" " Cover	—							
	34	Rocking Bar Arm	—							
	35	" Grate Bar Connection	2	390-E-760	—	390-S-691	—	—	—	—
	36	" " " "	2	"	—	FORGED SIZES 3/4" X 2 1/2" X 52 3/4" LONG	—	—	—	—
	37	" " " "	—							
	38	" " " "	—							
	39	" " " "	—							
	40	" " Handle	1R. 1L.	390-E-760	—	390-S-692	—	—	—	—
	41	" " Hanger	—							
	42	" " Lever ~~Hand~~	2	390-E-760	—	390-S-712	—	—	—	—
	43	" " " ~~Power~~	1R. 1L.	"	—	390-S-677	—	—	—	—
	44	" " "	2	"	—	390-S-690	—	—	—	—
	45	Grate Shaker Arrangement		390-E-760	—	—	—	—	—	—
	46	" " Cylinder	2	FRANKLIN	ORD. IN P.D. PLATE.	—	—	—	—	—
	47	" " " Support	2	390-D-746	MAT. ORD. IN P.D.	390-D-746	—	—	—	—
	48	"CENTER RAIL FILLING PIECE LOCOS. 5559-5563 ONLY.	1	522A6	—	FORGED SIZES 2" X 5 1/2" X 56" LONG.	—	—	—	—
	49	" ROD (ROCKING)	1	390-E-760	—	390-S-679	—	—	—	—
	50	" " "	1	"	—	390-S-680	—	—	—	—
	51	" " "	1	"	—	390-S-681	—	—	—	—
	52	ROCKING GRATE LEVER	1R. 1L.	"	—	390-S-676	—	—	—	—
	53	" " ROD	1	"	—	390-S-682	—	—	—	—
	54	" " SHAKER ROD	2	"	—	390-S-689	—	—	—	—
	55	GRATE CENTER RAIL SUPPORT (CENTER)	1	390-D-737	—	—	—	52-1137	—	—
	56	" SHAFT BUSHING	2	390-D-319	—	—	52-940	—	—	—
	57	" " "	2	390-D-761	—	—	52-946	—	—	—
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 53—HAND RAILS & STEPS								
	1	Hand Rail	1-Set.	SEE ERECTING CARD & SECTIONS						
	2	" " Balls	4	420-D-625			23768			
	3	" " Column	5½" 2	532B270			53-45			
	4	" " "	6" 2	532C270			53-46			
	5	" " " S. Box Front	4½" 2	532D271			53-58			
	6	" " " " "	4½" 2	532C271			53-44			
	7	" " "	6½" 2	532U270			53-61			
	8	" " "	8" 8	532W270			53-63			
	9	" " -	1-Set.	560-D-632		560-D-632				
	10	" " Column	2	532H281			53-33			
	11	" " " Washer	2	532A269			53-54			
	12	" " " "	2	532B269			53-55			
	13	" " " "	12	532C269			53-56			
	14	" " " "	—							
	15	" " " Flange	6	420-D-649			25635			
	16	" " "	—							
	17	Hand Rail Column ~~Strap~~	9" 2	532Y270			53-65			
	18	" " " "	12" 2	420-D-623		420-D-623				
	19	" " " "	—							
	20	" " " "	—							
	21	" " Cross	1	560-D-632	ORD. IN P.D.					
	22									
	23									
	24									
	25									
	26									
	27	Handles	—							
	28	"	—							
	29	"	—							
	30	"	—							
	31	Cab Handle	1R. 1L.	500-D-337		500-D-337				
	32									
	33									
	34									
	35	Bumper Post	2	250-D-132			250-P-4			
	36	Steps	—							
	37	Bell Step	—							
	38	" " Brace	—							
	39	Bumper Step—Front	—							
	40	" " Brace	—							
	41	Bumper Step—Back	—							
	42	" " Brace	—							
	43	Cab Step	—							
	44	" " Brace	—							
	45	Cylinder Step	—							
	46	" " Bracket	—							
	47	Deck Step	—							
	48	Dynoma Step	—							
	49	Engine Step	—							
	50	" " Brace	—							
	51	Guide Step	—							
	52	Headlight Step	—							
	53	" "	—							
	54	Pilot Step	2	250-D-222	Plate	250-D-222				
	55	" " Brace	2	"		250-S-185				
	56	Running Board Step	2	410-D-185	Plate. Mat. Ord. In P.D.					
	57	" " " Brace	2	"		210-S-325				
	58	" " " Brace	—							
	59	" " " "	—							
	60		—							
	61		—							

(Group 53 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 53—HAND RAILS & STEPS (Cont.)								
	1	Sand Box Step	4	410-D-68	—	—	53-34	—	—	—
	2	" " " BRACKETS	4	410-D-68 STYLE #1	—	410-S-82	—	—	—	—
	3	" " "	—							
	4	Side Sheet "	—							
	5									
	6									
	7	**GR. 54—H'DLI'TS, Lamps, Plates, Etc.**								
	8	Signal Fixtures—Location	—							
	9	" Lamp Bracket F. BUMPER	2	~~520-D-154~~ 542-A-736	PLATE.	~~520-D-154~~ 542-A-736	—	—	—	—
	10	" " " (SMOKE BOX)	2	520-D-376	—	520-D-376	—	—	—	—
	11	Flag Bracket	2	542A309	—	—	—	—	—	54-348
	12	" Socket	2	"	—	—	—	—	—	54-347
	13	" Box	—							
	14	Lamp Bracket	2	520-D-146	—	—	—	—	—	54-358
	15	" Socket	—							
	16	Headlight Shelf	—							
	17	" " Edge	—							
	18	" " Bracket	—							
	19	" " Handle	—							
	20	Train Number Indicator	—							
	21	Lamp (Steam Gauge)	2	DRESSEL.	ORD. IN P.D.	—	—	—	—	—
	22	" Bracket	1	420-D-634	—	FORGED SIZES 1½" x 1½" XII" LONG	—	—	—	—
	23	" (Water Gauge)	1	DRESSEL	ORD. IN P.D.	—	—	—	—	—
	24	" Bracket	2	542F295	—	542F295	—	—	—	—
	25	" (Air Gauge)	—							
	26	" Bracket (FIREMANS GAUGE)	1	520-D-372	—	520-D-372	—	—	—	—
	27	" Lubricator	—							
	28	" Bracket	—							
	29	" Engineer's	—							
	30	" Bracket	—							
	31	" (Booster)	—							
	32	" Bracket	—							
	33	" (Pyrometer)	—							
	34	" Bracket	—							
	35	" (Feed Water Gauge)	—							
	36	" Bracket	—							
	37	Number Plate	1	A-12972 STYLE #2	NOS. CAST ON INRAISED FIGURES	—	—	—	9740	—
	38	" " ~~Figures~~ STUD.	1	542A1	STEEL	—	—	—	—	—
	39	Builder's Card	2	420-D-978	—	—	—	—	54-32	—
	40	Name Plate	—							
	41	Patent Plate—Superheater	1	542A305	—	—	—	—	54-16	—
	42	" "	—							
	43	Dynamo Bracket	1	320-D-233	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	44	Electric Wiring	1-SET.	520-E-361	MAT. ORD. IN P.D.	—	—	—	—	—
	45	DYNAMO BRACKET	1	320-D-233	—	320-S-345	—	—	—	—
	46	" "	1	"	—	320-S-346	—	—	—	—
	47	PROPERTY PLATE (LOCATED ON SIDE OF CAB SIDE SHEETS)	2	420-D-1107	—	—	420-P-238	—	—	—
	48	ELECTRIC WIRING CONDUIT CLAMPS	16	520-D-373	—	520-D-373	—	—	—	—
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water								
	1	Injector	—							
	2	" Bracket	—							
	3	" Check	1	NATHAN TYPE "T"	ORD. IN P.D.	—	—	—	—	—
	4	" " Valve	—							
	5	" " Cap	—							
	6	" " Nut	—							
	7	" " Sleeve	—							
	8	" " Flange	—							
	9	" " Baffle Plate	—							
	10	" Extension Handle	1	550-D-75	—	—	—	—	25598	—
	11	" " " ~~Support~~	1	732B91	—	—	—	—	—	73-32
	12	" Universal Joint	—							
	13	" Pipe Connection	—							
	14	" - - EXTENSION ROD	1	—	—	600-S-63	—	—	—	—
	15	Delivery Pipe Coupling Nut	—							
	16	" " " Sleeve	—							
	17	" " " "	—							
	18	FEED WATER WORK	1-SET.	560-D-631	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	19	Feed Hose	—							
	20	" "	—							
	21	" " Clamp	—							
	22	" Pipe Hanger BRACKET	1	560-D-631	—	560-S-280	—	—	—	—
	23	Strainer	2	"OKADEE"	ORD. IN P.D.	—	—	—	—	—
	24	" Body	—							
	25	" Cap	—							
	26	" Nut	—							
	27	" Sleeve	—							
	28	" Swivel	—							
	29	" Coupling Nut	—							
	30	" " " Sleeve	—							
	31	FEED WATER JOINT HANGER	1R. 1L.	560-D-631	—	560-S-279	—	—	—	—
	32	" PIPE HANGER	2	552A2	—	552A2	—	—	—	—
	33									
	34									
	35									
	36	Feed Water Heater	—							
	37	" " " Support	—							
	38	" " " Pump	—							
	39	" " " " Bracket	—							
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47									
	48									
	49									
	50									
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	54									
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	56									
	57									
	58									
	59									
	60									
	61									

(Group 55 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water (Cont).	—							
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 57—LAGGING & JACKET**								
	37	Lagging (Boiler)	1-SET. M.O. 1654 ORD. IN P.D.	—	—	—	—	—	—	—
	38	" Panel	—							
	39	" "	—							
	40	" "	—							
	41	" Angle Iron (BACK HEAD)	1	570-D-61	—	570-D-61	—	—	—	—
	42	" " "	—							
	43	Jacket (Boiler)	1-SET. #20 PAINTED STEEL	—	—	—	—	—	—	—
	44	" Band	—							
	45	" "	—							
	46	" Clamp	14	572 A 46 STYLE #1	—	—	—	—	—	57-27
	47	" "								
	48	Plug Casing	10	420-D-223	—	—	—	—	—	57-19
	49	" "	8	572 B 59	—	—	—	—	—	57-23
	50	" ~~Case~~ CASING (ALONG SIDE OF J.S. FIREBOX)	40	570-D-27	—	—	—	—	—	57-18
	51	Cylinder Lagging	—							
	52	" Jacket	—							
	53	Gauge Cock Casing	—							
	54	Boiler Test Plate Casing	—							
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
	1	Link	—							
	2	" Block	—							
	3	" " Bushings	—							
	4	" Cheeks	—							
	5	" Filling	—							
	6	" Plate	—							
	7	" Saddle	—							
	8	" " Pin	—							
	9	" " Bushings	—							
	10	" Support	—							
	11	" " Bushings	—							
	12	Motion Bearer Crosstie	—							
	13	" " Knee	—							
	14	Radius Rod—Front Section	—							
	15	" " —Rear "	—							
	16	" " Lifting Link	—							
	17	Combination Lever	—							
	18	" " Bushings	—							
	19	" " Pin	—							
	20	Union Link H.P. PAIRED.	1R. 1L.	~~582-A-314~~ ~~110-D-226~~	PINS.	110-D-226	—	—	—	—
	21	" " ~~Pin~~ L.P. "	1R. 1L.	~~582-B-314~~ ~~110-D-228~~	"	110-D-228	—	—	—	—
	22	" " Bushings	2H.P. 2L.P.	~~582-A-314~~ ~~110-D-226~~	—	—	—	—	58-10	—
	23	Slide Block	—							
	24	" " Cap	—							
	25	" " Bottom	—							
	26	" " Trunnions	—							
	27	" " Liners	—							
	28									
	29									
	30	Transmission Bar	—							
	31	" " Hanger	—							
	32	" " Link	—							
	33	" " Pin	—							
	34	Baker Valve Gear Frame Drilling H.P.		110-D-227	—	—	—	—	—	—
	35	" " " " ~~Extension~~ L.P.		110-D-229	—	—	—	—	—	—
	36									
	37									
	38									
	39									
	40	**GROUP 59—Oil Cups & Lubricator**								
	41	Oil Cups H.P. STEAM PIPE SLIP JOINT.	2	4 #LUNKENHEIMER SPRING TOP	—	—	—	—	—	—
	42	Crosshead Oil Cup	—							
	43	" " " Cap	—							
	44	— — — ~~Nut~~ BALL JOINT OIL CUP	3	592 B 218	—	—	—	—	—	59-369
	45	— — — ~~Stem~~ " " " "CAP	3	"	—	—	—	—	59-370	—
	46	BALL JOINT OIL CUP ELBOW	1	220-D-108	—	—	—	—	—	59-433
	47	Eng. Truck Oil Cup	—							
	48	" " " " Cap	—							
	49	" " " " Nut	—							
	50	" " " " Stem	—							
	51	EXHAUST PIPE OIL CUP	2	220-D-179	—	—	—	—	—	59-132
	52	Ecc. Rod Oil Cup	—							
	53	" " " " Cap	2H.P. 2L.P.	220-D-189	—	—	—	—	—	220-P-35
	54	" " " " ~~Nut~~ BUSHING	2H.P. 2L.P.	220-D-183	—	3" HEX. 2 1/4" LONG	—	—	—	—
	55	" " " " Stem	—							
	56	EXHAUST PIPE OIL CUP CAP	2	220-D-179	—	—	—	—	—	59-133
	57	Guide Oil Cup	4	592A267	WIRE.	—	—	—	59-113	—
	58	" " " Cap	4	"	—	—	—	—	59-42	—
	59	" " " Nut	—							
	60	" " " Stem	4	592A267	STEEL	—	—	—	—	—
	61	FURNACE BEARER OIL CUP	2	592A275	—	—	—	—	59-244	—

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubricator (Cont.)								
	1	Link Oil Cup	—							
	2	" " " Cap	—							
	3	" " " Nut	—							
	4	" " " Stem	—							
	5									
	6	Link Lifter Oil Cup	—							
	7	" " " " Cap	—							
	8	" " " " Nut	—							
	9	" " " " Stem	—							
	10									
	11	Radius Rod Oil Cup	—							
	12	" " " " Cap	—							
	13	" " " " Nut	—							
	14	" " " " Stem	—							
	15									
	16	Rockshaft Oil Cup	—							
	17	" " " Cap	—							
	18	" " " Nut	—							
	19	" " " Stem	—							
	20									
	21	Rev. Shaft Oil Cup	—							
	22	" " " " Cap	—							
	23	" " " " Nut	—							
	24	" " " " Stem	—							
	25									
	26	Transmission Oil Cup	—							
	27	" " " Cap	—							
	28	" " " Nut	—							
	29	" " " Stem	—							
	30									
	31	Piston Rod Oil Cup	2 H.P. 2 L.P. ordered with Packing.		Ord. in P.D.	—	—	—	—	—
	32	" " " " Cap	—							
	33	" " " " Nut	—							
	34	" " " " Stem	—							
	35									
	36	Valve Stem Oil Cup	2 H.P. 2 L.P. ordered with Packing		Ord. in P.D.	—	—	—	—	—
	37	" " " " Bracket	—							
	38	" " " " Cap	—							
	39	" " " " Nut	—							
	40	" " " " Stem	—							
	41									
	42	Main Rod Grease Cup	—							
	43	" " " "	—							
	44	" " " " Cap	2 H.P. 2 L.P.	220-D-189		—	—	—	—	220-P-35
	45	" " " " Nut	—							
	46	" " " " Stem	—							
	47	" " " " Plug	—							
	48	" " " " Bushing	2 H.P. 2 L.P.	220-D-183		3" Hex. 2 1/4" Long	—	—	—	—
	49	Side Rod Grease Cup	—							
	50	" " " " Cap	8 H.P. 8 L.P.	220-D-189		—	—	—	—	220-P-35
	51	" " " " Nut	—							
	52	" " " " Stem	—							
	53	" " " " Plug	—							
	54	" " " " Bushing	8 H.P. 8 L.P.	220-D-183		3" Hex. 2 1/4" Long	—	—	—	—
	55	Trailer Truck Oil Cup	—							
	56	" " " " Cap	—							
	57									
	58	Throttle Lever Support Oil Cup	—							
	59	" " " " " Cap	—							
	60	Valve Rod Oil Cup Cap	2 H.P. 2 L.P.	D-2229	Group #2	—	—	—	D-15110	—
	61	" " " " Stem	2 H.P. 2 L.P.	"	"	Hex. Steel	—	—	—	—

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubri. (Cont.)								
	1	Valve Rod Crosshead Guide Oil Cup	4 H.P. 4 L.P.	D-2233 GROUP #1 LINE #1	FURNISH CHAIN	—	—	—	—	59-89
	2	" " " " " " Cap	4 H.P. 4 L.P.	" "	—	—	—	—	—	59-90
	3	" " " " " " Nut	—							
	4	" " " " " " Stem	—							
	5	" " " " " " Plug	—							
	6									
	7	Oil Can Holder		SEE GROUP 45						
	8	" " " Support	—							
	9	DRIVING WHEEL GREASE CUP	1	220-D-105	—	3" HEX. STEEL 11½" LONG.	—	—	—	—
	10	" " " " PLUG	1	"	—	—	—	—	—	CRUCIBLE STEEL 59-294
	11	" " " " "	32	"	—	—	—	—	—	CRUCIBLE STEEL 59-293
	12									
	13	FLANGE LUBRICATOR SUPPORT. FRONT. H.P. L.S.	1	220-D-203 STYLE 2	—	220-D-203 STYLE 2	—	—	—	—
	14	" " " " L.P. L.S.	1	"	—	"	—	—	—	—
	15	Lubricator	—							
	16	" Marking		592A219	—	—	—	—	—	—
	17	" Support	R.S. 1	220-D-200 STYLE 1	—	220-D-200 STYLE 1	—	—	—	—
	18	" " ~~Brace~~	L.S. 1	" " 2	—	" " 2	—	—	—	—
	19									
	20	Flange Lubricator								
	21	" " Support BACK H.P.	R.S. 2	220-D-202 STYLE 1	—	220-D-202 STYLE 1	—	—	—	—
	22	" " " " L.P.	R.S. 2	" "	—	" "	—	—	—	—
	23	" " " FRONT H.P.	R.S. 1	220-D-203 STYLE 1	—	220-D-203 STYLE 1	—	—	—	—
	24	" " " " L.P.	R.S. 1	" "	—	" "	—	—	—	—
	25	Steam Chest Oil Plug	—							
	26									
	27	Bell Ringer Oil Cup	1	592A266	—	—	—	—	—	59-123
	28	~~Radial Buffer Oil Cup~~ STEM	1	"	—	—	—	—	—	59-124
	29	FLANGE LUBRICATOR BRACKET H.P.	1	220-D-207	PLATE	220-D-207	—	—	—	—
	30	" " " L.P.	1	220-D-205	"	220-D-205	—	—	—	—
	31	**GROUP 60—Oil Burning Attachments**	—							
	32	Oil Burning Arrangement	—							
	33	Oil Burner	—							
	34	" " Lip	—							
	35	" " Support	—							
	36	" Feed Quadrant	—							
	37	" Operating Nandle	—							
	38	" Heater	—							
	39	" " Ends	—							
	40	" " Nuts	—							
	41	" " Bushing	—							
	42	" " Sleeve	—							
	43	" " Casing	—							
	44	" " Support	—							
	45	" " "	—							
	46									
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56	**GROUP 61—PAINTING**	—							
	57	Lettering	—							
	58	Numbering	—							
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS—Main and Side								
	1	Rods—Main	—							
	2	Front Stub	—							
	3	" " Strap	—							
	4	" " Key	—							
	5	" " Washer	—							
	6	" " Brass	—							
	7	" " "	—							
	8									
	9	Main Stub	—							
	10	" " Strap	—							
	11	" " Wedge	—							
	12	" " Filling	—							
	13	" " Brass	—							
	14	" " "	—							
	15	" " " Grooves	—							
	16									
	17									
	18									
	19									
	20	Rods—Side—Front	—							
	21	Front Stub	—							
	22	" " Strap	—							
	23	" " Key	—							
	24	" " Filling	—							
	25	" " Brass	—							
	26									
	27									
	28	Rods—Side—Int.	—							
	29	Inter. Stub	—							
	30	" " Strap	—							
	31	" " Key	—							
	32	" " Filling	—							
	33	" " Brass	—							
	34									
	35	Rods—Side—Main	—							
	36	Main Stub	—							
	37	" " Strap	—							
	38	" " Key	—							
	39	" " Filling	—							
	40	" " Brass	—							
	41									
	42	Rods—Side—Back	—							
	43	Back Stub	—							
	44	" " Strap	—							
	45	" " Key	—							
	46	" " Filling	—							
	47	" " Brass	—							
	48									
	49	Knuckle Pin	—							
	50	" " Bushing	—							
	51	" " Nut	—							
	52									
	53	Side Rod Grease Grooves	—							
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT								
	1	Pilot	1	250-D-222	Wood.					
	2	" Band	1	"		250-S-92				
	3	" Bracket	1	"	Plate.	250-S-94				
	4	" Bottom Plate	1	"	"	250-S-93				
	5	" Corner Iron	2	"	"	250-S-95				
	6	" Knee	2	~~250-D-117~~ 622-B-23				62-3		
	7	" Strap	—							
	8	" Brace	1R. 1L.	250-D-222		250-S-181				
	9	" "	2	"		250-S-180				
	10									
	11	Rail Guard	—							
	12	" "	—							
	13	Snow Plow	—							
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21	**GROUP 63—PIPE FITTINGS**								
	22	Air Gauge Fitting	—							
	23	" " " Nut	—							
	24	" " " Swivel	—							
	25	Injector Branch Pipe Drain Cock Fitting	1	632B278					63-66	
	26	Air Pump Oil Fitting	—							
	27	" " " " Nut	—							
	28	" " " " Swivel	—							
	29	" " Elbow	—							
	30	Angle Valve Nut	—							
	31	" " Swivel	—							
	32	Sprinkler Pipe Fitting	1	632C278					63-66	
	33	Angle Valve Nut	—							
	34	" " Swivel	—							
	35									
	36	Ash Pan Valve Nut	—							
	37	" " " Swivel	—							
	38									
	39	Bell Ringer Fitting	—							
	40	" " " Nut	—							
	41	" " " Swivel	—							
	42									
	43	Booster Turret Valve Elbow	—							
	44									
	45									
	46	Blower Fitting	1	420-D-1022	Furnish Chain		420-P-122			
	47	" " Cap	1	"						420-P-124
	48	" " Plug	1	"						420-P-123
	49	" " Nut	—							
	50	" " "	—							
	51	" " Sleeve	—							
	52	" " "	—							
	53	" " Washer	1	420-D-1022		Forged Sizes 1" Dia. 1 1/4" Long.				
	54	" " Handle	—							
	55	" Valve Nut	—							
	56	" " Swivel	—							
	57	" Elbow	—							
	58	Blow-off Cock Nut	—							
	59	" " Swivel	—							
	60									
	61									

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Coal Sprinkler Fitting	—							
	2	" " " Nut	—							
	3	" " " Swivel	—							
	4	" " " Nozzle	—							
	5	" " " Hose	—							
	6									
	7	Cyl. Oil Pipe Fitting	2	560-D-648	Machine Steel.	—	—	—	—	—
	8	" " " ~~Nut~~ Fittings L.P. Cyl. Lub. System	1 Set.	560-D-645	Stick Brass	—	—	—	—	—
	9	" " " " L.P. Cyl.	2	560-D-607	Machine Steel	—	—	—	—	—
	10	" " " " ~~Swivel~~ H.P. Steam Pipe	2	560-D-655	" "	—	—	—	—	—
	11	" " " "	10	632D289	Brazing Metal	—	—	—	—	—
	12	" " " " ~~Tee~~	1	632E289	Stick Brass	—	—	—	—	—
	13	" " " " ~~Nut~~	17	632A283	" "	—	—	—	—	—
	14	" " " " Swivel	17	"	Brazing Metal	—	—	—	—	—
	15	" " " Bracket H.P. Steam Pipe & Int. Valve	3	632C410	—	—	—	—	63-35	—
	16	" " " Elbow	4	560-D-661	—	—	—	—	63-671	—
	17	Drip Valve Nut	—							
	18	" " Swivel	—							
	19	Cyl. Oil Pipe Bracket. (To L.P. Cyl.)	2	632D410	—	—	—	—	63-35	—
	20	Dynamo Valve Nut	—							
	21	" " Swivel	—							
	22	" " Elbow Dont use for future. Too short	1	632B243	—	—	—	—	63-31	—
	23	Feed Cock Nut	—							
	24	" " Swivel	—							
	25	" "								
	26	Inj. Starting Valve Nut	—							
	27	" " " Swivel	—							
	28	Intercepting Valve Elbow	1	632B243	Dont Use For Future. Too Short.	—	—	—	63-31	—
	29	Lubricator Valve Nut	—							
	30	" " Swivel	—							
	31	" " Elbow	2	632N243	—	—	—	—	63-32	—
	32	Oil Cock Nut	—							
	33	" " Swivel	—							
	34	Intercepting Valve Oil Pipe Fitting.	1	560-D-656	Machine Steel.	—	—	—	—	—
	35	St. Gauge Cock Nut	—							
	36	" " " Swivel	—							
	37	Stoker Valve Elbow	1	632D243	—	—	—	—	63-208	—
	38	Sander Valve Nut	—							
	39	" " Swivel	—							
	40	Intercepting Valve Pipe Flange	1	560-D-658	—	—	44-71	—	—	—
	41	~~Water Gauge Valve Nut~~ " " "	3	560-D-609	—	—	44-71	—	—	—
	42	" " " Swivel	—							
	43									
	44									
	45	Inj. Check Pipe ~~Union~~ Clamp	6	632H271	—	—	63-40	—	—	—
	46	" " " ~~Nut~~ " Cap	6	"	—	—	63-39	—	—	—
	47	" " " Swivel	—							
	48									
	49	Feed Pipe Union	—							
	50	" " " Nut	—							
	51	" " " Swivel	—							
	52									
	53	Inj. Steam Pipe Union	—							
	54	" " " " Nut	—							
	55	" " " " Swivel	—							
	56	Manifold Bracket Train Line & Straight Air.	1	560-D-608 Style #2	—	560-D-608 Style #2	—	—	—	—
	57	Oil Pipe Union	—							
	58	" " " Nut	—							
	59	" " " Swivel	—							
	60	Manifold ~~and Bracket~~ Train Line & Straight Air	1	560-D-644	—	—	63-78	—	—	—
	61									

Not to be used except for repairs. See Ord. No. 632A76

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
	1	Pipe Union (INJECTOR DELIVERY)	2	560-D-324					55-275	
	2	" " Nut " "	2	"					55-274	
	3	" " Swivel " "	2	"					55-276	
	4	" Pads	—							
	5	" "	—							
	6	" "	—							
	7	" "	—							
	8	" "	—							
	9	" "	—							
	10	" "	—							
	11	" Flanges (INJECTOR DELIVERY)	2	633C8					63-1	
	12	" " (GOVERNOR PIPE)	2	633B8					63-171	
	13	" "	—							
	14	" "	—							
	15	" "	—							
	16	" "	—							
	17	" "	—							
	18	" "	—							
	19	" "	—							
	20	" "	—							
	21	" "	—							
	22	PISTON ROD EXTENSION OIL FITTINGS	1-SET.	560-D-647	STICK BRASS & BRAZING METAL					
	23	" " " " " L.P. CYL.	2	560-D-641					59-80	
	24	BRAKE EXHAUST FITTING	1	560-D-334			63-41			
	25	" " "	1	560-D-481			63-41			
	26	" " "	1	632B415			63-22			
	27	CYL. OIL PIPE CLAMP. (TO L.P. CYL.)	2	560-D-645		560-S-282				
	28	" " " " " " "	2	"		560-S-283				
	29	" " " " " " "	2	"		560-S-284				
	30	" " " " " " "	1	"		560-S-285				
	31	" " " " " " "	1	"		560-S-286				
	32	" " " " " " "	2	"		560-S-287				
	33	" " " BRACKET	2	"		560-S-290				
	34	" " " "	1	"		560-S-289				
	35	INTERCEPTING VALVE PIPE FITTING	1	560-D-488						63-673
	36	" " " FLANGE	1	560-D-538			63-677			
	37	" " " "	2	560-D-539			63-678			
	38									
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47									
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	49									
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	51									
	52	Pipe Clamp								
	53									
	54									
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	58									
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	60									
	61									

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
	1									
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Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 64—Piping Arrangements								
	1	Engine Piping Arrangement, R. S.	—							
	2	" " " L. S.	—							
	3	" " " Sections	—							
	4	Piping Arrangement Engine & Tender		560-D-631	—	—	—	—	—	—
	5	Brake Governor Piping	—							
	6	Blower Piping	—							
	7	Booster "	—							
	8	Cylinder Cock Piping	—							
	9	Dead Engine Fixture Piping	—							
	10	Feed Water Heater Piping	—							
	11	Flange Oiler Piping	—							
	12	Front End Brake Piping	—							
	13	Governor Drain "	—							
	14	Journal Cooling "	—							
	15	Oil Heater "	—							
	16	Power Reverse "	—							
	17	Sander Piping	—							
	18	Steam Gauge Piping	—							
	19	" Heat "	—							
	20	Stoker "	—							
	21	Smoke Consumer "	—							
	22	Water Gauge "	—							
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30	PISTON — L.P.	2	654-A-1 ~~50-D-77~~	ORD. IN P.D. CASTING	—	—	—	—	—
	31	" BULL RING L.P.	2	" "	ORD. IN P.D.	—	HUNT-SPILLER 65-185	—	—	—
	32	" SNAP " L.P.	1-SET.	" "	—	—	HUNT-SPILLER 65-186	—	—	—
	33	" ROD L.P.	2	" "	MAT. ORD. IN P.D.	—	—	—	—	—
	34	" " NUTS L.P.	2	" "	—	50-D-77	—	—	—	—
	35	**GROUP 65—PISTON & ROD**								
	36	Piston HIGH PRESSURE	2	653-A-95 ~~50-D-81~~	ORD. IN P.D.	—	—	—	—	—
	37	" Follower	—							
	38	" Bull Ring	2	653-A-95 ~~50-D-81~~	CASTING ORD. IN P.D.	—	HUNT-SPILLER 65-187	—	—	—
	39	" Tee Ring	—							
	40	" Snap Ring	1 SET.	653-A-95 ~~50-D-81~~	CASTING ORD. IN P.D.	—	HUNT-SPILLER 65-188-A	—	—	—
	41	" Plug	—							
	42	" Rod	2	653-A-95 ~~50-D-81~~	MAT. ORD. IN P.D.	—	—	—	—	—
	43	" " Extension COVER	2	50-D-80	PIPE. MAT. ORD. IN P.D.	—	—	—	—	—
	44	" " " Guide CAP L.P.	2	653A46	—	—	—	65-471	—	—
	45	" " " Cover L.P.	2	322A3	PLATE	—	—	—	—	—
	46	" " Slide ~~Back~~ BLOCK L.P.	2	653A46	—	—	—	—	65-472	—
	47	" ~~Spring~~ " "PLATE L.P.	2	"	—	FORGED SIZES 3/8" X 2 1/4" X 5"	—	—	—	—
	48	" ROD EXTENSION COVER CAP	2	50-D-80	ORD. IN P.D.	—	—	—	—	—
	49	" " " GEN. ARRGT.		"	—	—	—	—	—	—
	50	" " NUTS H.P.	2	653-A-95 ~~50-D-81~~	—	653-A-95 ~~50-D-81~~	—	—	—	—
	51	Piston Rod Packing	1-SET H.P. 1-SET L.P.	TROJAN	ORD. IN P.D.	—	—	—	—	—
	52	" " " Gland	—							
	53	" " " Babbit Ring	—							
	54	" " " " "	—							
	55	" " " Split Ring	—							
	56	" " " Spring	—							
	57	" " " " Case	—							
	58	" " " Swab Cup	—							
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 66—PLUGS								
	1	Plugs	—							
	2	Arch Tube Plugs	8	420-D-610	—	—	—	—	66-131	—
	3	" " "	—							
	4	Cylinder Bushing Plug	2H.P. 2L.P.	662B65	—	—	66-31	—	—	—
	5	~~Eccl. Strap Plug~~ CYLINDER PLUG H.P.	2	420-D-612	—	—	25385	—	—	—
	6	~~Filling~~ " " " L.P.	2	420-D-914	CASTING ORD. IN P.D.	—	420-P-148	—	—	—
	7	Fusible "	—							
	8	Indicator "	4H.P.	420-D-584	STICK BRASS	—	—	—	—	—
	9	Peep Hole "	4H.P. 4L.P.	662C74	—	—	—	—	66-49	—
	10	INDICATOR ~~Mud Drum~~ "	4L.P.	662C66	STICK BRASS	—	—	—	—	—
	11	Smoke Box "	—							
	12	Test "	—							
	13	Waist "	—							
	14	" "	—							
	15	" " Flange	—							
	16	" " "	—							
	17	Washout "	10	420-D-599	—	—	—	—	66-132	—
	18	" "	—							
	19	Hand Hole "	—							
	20	STEAM PIPE PLUG	1	662C24	—	—	—	—	66-126	—
	21	Pyrometer Plug	6	662D24	—	—	—	—	66-153	—
	22	" " EXTENSION (STEAM PIPE)	2	420-D-657	—	—	—	—	66-124	—
	23	" " " (BOILER)	2	420-D-659	—	—	—	—	66-125	—
	24	TURRET PLUG	2	420-D-647	—	—	—	—	25550	—
	25	**GROUP 68—REVERSE LEVER**								
	26	Reverse Lever	—							
	27	" " Handle	—							
	28	" " Latch	—							
	29	" " " Guide	—							
	30	" " " Rod	—							
	31	" " Quadrant	—							
	32	" " " Support	—							
	33	" " " Block	—							
	34	" " Arm	—							
	35	" " Fulcrum	—							
	36	" " Foot Rest	—							
	37	" " Floor Cover	—							
	38	" " Latch Spring	—							
	39									
	40									
	41	Power Reverse	1-SET.	"PITTSBURG"	ORD. IN P.D.	—	—	—	—	—
	42	" " Cylinder Support	1	130-D-290	—	130-D-290	—	—	—	—
	43	" " " " ~~Brace~~	1	130-D-291	—	130-D-291	—	—	—	—
	44	" " ~~Screw~~ " Support	1	130-D-268	—	—	—	68-10	—	—
	45	" " " " Filler Block	—							
	46	Screw Reverse	—							
	47	POWER REVERSE GEAR X HEAD GUIDE	1	682A2	—	682A2	—	—	—	—
	48	" " " " DRILLING		130-D-284	—	—	—	—	—	—
	49									
	50									
	51									
	52									
	53	REVERSE SHAFT ARM H.P. LOCOS. 5554-5558 ONLY	1	693-A-62 ~~120-D-121~~	—	—	—	69-52	—	—
	54	**GROUP 69—REVERSE SHAFT**								
	55	Reverse Shaft L.P.	1	692-A-429 ~~120-D-109~~	—	120-S-94	—	—	—	—
	56	" " Arm L.P.	1	" "	—	120-S-63	—	—	—	—
	57	" " " L.P.	2	" "	—	—	—	69-267	—	—
	58	" " " H.P. LOCOS. 5554-58 ONLY	1	693-A-62 ~~120-D-121~~	MAT. ORD. IN P.D.	—	—	—	—	—
	59	" " " H.P. ~~Counterbalance~~ " " "	1-R	" "	—	—	—	69-272	—	—
	60	" " ~~Bearing~~ H.P. " " " "	1-L	" "	—	—	—	69-51	—	—
	61	" " " H.P. " " " "	1	" "	—	—	—	69-273	—	—

(Group 69 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 69—Reverse Shaft (Cont.)								
	1	Reverse Shaft Bearing Cap L.P.	2	120-D-122	—	—	—	69-230	—	—
	2	" " " " L.P.	2	"	—	—	—	69-274	—	—
	3	" " Counterbal. Rod	1	692E190	—	692E190	—	—	—	—
	4	" " " Spring	2	692A189	ORD. IN P.D.	—	—	—	—	—
	5	" " " " Seat	—							
	6	" " " " Washer	2	692E190	—	—	69-202	—	—	—
	7	" " " " Casing	1	692A189	—	—	69-231-A	—	—	—
	8	" " BEARING ~~Support~~ H.P.	1	~~120-D-115~~ 692-A-252	—	—	—	69-268	—	—
	9	" " " WING	1R. 1L.	"	—	—	R. 69-269 L. 69-270	—	—	—
	10	" " " CAP H.P.	2	"	—	—	69-271	—	—	—
	11	Reach Rod (POWER REVERSE)	1	130-D-239	PIPE. MAT. ORD. IN P.D.	—	—	—	—	—
	12	" " L.P.	2	130-D-267	MAT. ORD. IN P.D.	130-D-267	—	—	—	—
R.S.	13	" " H.P.	1	692A1	LOCOS. 5559 TO 5563	692A1	—	—	—	—
			2	130-D-269	" " " LOCOS. 5554-5800 INCL	130-D-269				
L.S.	14	" "	1	692B1	—	692B1	—	—	—	—
	15	" " ~~Jaw~~ (POWER REVERSE)	1	130-D-283	PINS.	130-D-283	—	—	—	—
	16	" " —	1	130-D-264	"	130-S-174	—	—	—	—
	17	" " ~~Guide~~ JAWS	4		"	—	—		—	—
	18	" " — ~~Bracket~~ BLOCK	1	130-D-264	—	FINISH SIZES 4"×3⅜"×3½"	—	—	—	—
	19	" " ■ JAWS	4	692A180	PINS	—	—	69-319	—	—
	20	" " "	—							
	21									
	22	REVERSE SHAFT. LOCOS. 5559-5563 ONLY	1	693A1	MAT. ORD. IN P.D.	—	—	—	—	—
	23	" " ARM " "	1	"	—	—	—	69-53	—	—
	24	" " " " "	1	"	—	—	—	69-52	—	—
	25	" " " " "	1	"	—	—	—	69-51	—	—
	26	**GROUP 70—ROCKER AND BOX**								
	27	Rocker	—							
	28	" Arm	—							
	29	" Box	—							
	30	" " Cap	—							
	31	" Pin	—							
	32									
	33									
	34									
	35									
	36	**GROUP 71—RUNNING BOARD**								
	37	Running Board	1-SET.	210-D-307	MAT. ORD. IN P.D.	—	—	—	—	—
	38	" "	—							
	39									
	40									
	41	" " Edge	1-SET.	210-D-307	MAT. ORD. IN P.D.	210-D-307	—	—	—	—
	42	" " "	—							
	43	" " "	—							
	44	" " "	—							
	45	" " "	—							
	46	" " "	—							
	47	" " "	—							
	48	" " "	—							
	49	" " Bracket	8	210-D-305	—	210-S-206	—	—	—	—
	50	" " "	2	"	—	210-S-207	—	—	—	—
	51	" " "	3	"	—	210-S-337	—	—	—	—
	52	" " "	2	"	—	210-S-338	—	—	—	—
	53	" " "	1	"	—	210-S-340	—	—	—	—
	54	" " "	—							
	55	" " "	—							
	56	" " "	—							
	57	" " "	—							
	58	" " "	—							
	59	" " Filler Blocks	—							
	60	" " " "	—							
	61	" " " "	—							

(Group 71 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 71—Running Board (Cont.)								
	1	Running Board Angle Supports	—							
	2	" " " "	—							
	3	" " " "	—							
	4	" " " "	—							
	5	" " " "	—							
	6	" " " "	—							
	7	Side Sheet	2	210-D-354	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	8	" " Angle	1 SET.	"	—	210-D-354	—	—	—	—
	9	FRONT RUNNING BOARD	1 SET.	210-D-355	MAT. ORD. IN P.D.	—	—	—	—	—
	10	" " " EDGE	1 SET.	"	"	210-D-355	—	—	—	—
	11	" " " BRACKET	2	"	—	210-S-358	—	—	—	—
	12	" " " "	2	"	—	210-S-342	—	—	—	—
	13	" " " "	2	"	—	210-S-356	—	—	—	—
	14	" " " "	1	"	—	210-S-357	—	—	—	—
	15	**GROUP 72—RODS—Main & Side**								
	16	Rods—Main	2 H.P. 2 L.P.	723-A-137 ~~200-D-187~~	MAT. ORD. IN P.D.	—	—	—	—	—
	17	Front Stub	—							
	18	" " Strap	—							
	19	" " Key	2 H.P. 2 L.P.	723-A-137 ~~200-D-187~~	—	200-S-198	—	—	—	—
	20	" " Washer	4	" "	—	FINISH SIZES 1" X 3" DIA.	—	—	—	—
	21	" " Brass	4 H.P. 4 L.P.	" "	CASTING ORD. IN P.D.	—	—	—	200-P-24	—
	22	" " - BLOCK	2 H.P. 2 L.P.	" "	—	FINISH SIZES 4" X 2 1/2" X 3 3/4"	—	—	—	—
	23									
	24	Main Stub	—							
	25	" " Strap	—							
	26	" " Wedge	2 H.P. 2 L.P.	723-A-137 ~~200-D-187~~	—	FINISH SIZES 3 1/2" X 6 3/4" X 7"	—	—	—	—
	27	" " ~~Filling~~ " PLUG	2 H.P. 2 L.P.	" "	MADE FROM INGOT BRASS. ORD. IN P.D.	—	—	—	—	—
	28	" " Brass BACK HALF	2 H.P. 2 L.P.	723-A-137 ~~200-D-187~~	MAT. ORD. IN P.D. INGOT BRASS	—	—	—	200-P-32	—
	29	" " " FRONT "	2 H.P. 2 L.P.	" "	MAT. ORD. IN P.D. INGOT BRASS	—	—	—	200-P-33	—
	30	" " " Grooves	—							
	31	" " FILLING PIECE	2 H.P. 2 L.P.	723-A-137 ~~200-D-187~~	—	—	—	72-301	—	—
	32	" " " BLOCK - FRONT.	2 H.P. 2 L.P.	" "	BRASS MADE FROM INGOT CAST IN	—	—	200-P-18	—	—
	33	" " " " BACK	2 H.P. 2 L.P.	" "	BRASS MADE FROM INGOT CAST IN	—	—	200-P-17	—	—
	34	" " BOLT	2 H.P. 2 L.P.	" "	STEEL	—	—	—	—	—
	35	Rods—Side—Front L.P.	1 R. 1 L.	723-A-136 ~~200-D-193~~	MAT. ORD. IN P.D.	—	—	—	—	—
	36	~~Front Stub~~ " H.P.	1 R. 1 L.	" "	" " " "	—	—	—	—	—
	37	" " Strap	—							
	38	" " Key	—							
	39	" " Filling	—							
	40	FRONT STUB Brass	2 H.P. 2 L.P.	723-A-136 ~~200-D-193~~	CASTING ORD. IN P.D.	—	—	—	200-P-20	—
	41									
	42									
	43	Rods—Side—Int. L.P.	1 R. 1 L.	723-A-136 ~~200-D-193~~	MAT. ORD. IN P.D.	—	—	—	—	—
	44	~~Inter. Stub~~ " H.P.	1 R. 1 L.	" "	" " " "	—	—	—	—	—
	45	" " Strap	—							
	46	" " Key	—							
	47	" " Filling	—							
	48	INTER " Brass	2 H.P. 2 L.P.	723-A-136 ~~200-D-193~~	CASTING ORD. IN P.D.	—	—	—	200-P-21	—
	49									
	50	Rods—Side—Main	—							
	51	Main Stub	—							
	52	" " Strap	—							
	53	" " Key	—							
	54	" " Filling	—							
	55	" " Brass	2 H.P. 2 L.P.	723-A-136 ~~200-D-193~~	CASTING ORD. IN P.D.	—	—	—	200-P-22	—
	56									
	57									
	58									
	59									
	60									
	61									

(Group 72 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—Rods—Main & Side (Cont.)								
	1	Rods—Side—Back L.P.	1 R. / 1 L.	723-A-136 / ~~200-D-193~~	MAT. ORD. IN P.D.	—	—	—	—	—
	2	" " " H.P.	1 R. / 1 L.	" "	" " " "	—	—	—	—	—
	3	" " Strap	—							
	4	" " Key	—							
	5	" " Filling	—							
	6	BACK " Brass	2 H.P. / 2 L.P.	723-A-136 / ~~200-D-193~~	CASTING ORD. IN P.D.	—	—	—	200-P-20	—
	7									
	8	Knuckle Pin	4 H.P. / 4 L.P.	723-A-136 / ~~200-D-193~~	SOFT STEEL.	200-S-199	—	—	—	—
	9	" " Bushing	4 H.P. / 4 L.P.	" "	MAT. ORD. IN P.D.	—	—	—	—	—
	10	" " Nut	4 H.P. / 4 L.P.	" "	—	FIN. SIZES 3" HEX: 1 1/8" LONG	—	—	—	—
	11	" " COLLARS	4 H.P. / 4 L.P.	" "	PLATE	FINISH SIZES 4" x 5" DIA.	—	—	—	—
	12	Side Rod Grease Grooves	—							
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21	**GROUP 73—SAND BOX**								
	22	Sand Box—Front	—							
	23	" " —Back	—							
	24	Sand Box Base—~~Front~~ L.P.	1	530E120	—	—	25286	—	—	—
	25	" " " —~~Back~~ H.P.	1	530E121	—	—	25546	—	—	—
	26	" " RADIUS	L.P. / H.P.		45" L" / 52 1/2"	—	—	—	—	—
	27	" " Top	—							
	28	" " Lid	1 H.P. / 1 L.P.	732A88	—	—	73-34	—	—	—
	29	" " ~~Valve~~ EYE BOLT	1 H.P. / 1 L.P.	530E120	—	530-S-56	—	—	—	—
	30	" " " Seat	—							
	31	" " Arm	—							
	32	" " Rod	—							
	33	" " Shaft	—							
	34	" " Lever	—							
	35	" " Rod Handle	4 H.P. / 4 L.P.	882A61	—	—	—	—	—	88-8
	36	" " Bracket	H.P. 1 SET. "							
	37	Air Sander	L.P. 1 SET.		HANLON DOUBLE" ORD. IN P.D.	—	—	—	—	—
	38	SAND BOX PIPE END	1-SET.	530-D-60	—	—	—	—	—	—
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46									
	47									
	48	**GROUP 75—SMOKE BOX**			MUDGE-SLATER PLATE. MAT. ORD.					
	49	Smoke Box Arrangement	1-SET.	320-E-217	IN P. DEPT.	—	—	—	—	—
	50	Deflecting Plate	1-SET.	320-D-127	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	51	" " Angle	1	"	—	320-S-181	—	—	—	—
	52	" " Handle	8	752A79	—	75A139	—	—	—	—
	53	" " Nuts	—							
	54	" " ANGLE	1	320-E-217	—	320-S-342	—	—	—	—
	55	" " ANGLES	2	320-D-127	—	320-S-180	—	—	—	—
	56	" " "	1	"	—	320-S-185	—	—	—	—
	57	" " SUPPORT	1	320-E-217	—	320-S-339	—	—	—	—
	58									
	59									
	60									
	61									

(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont)								
	1	Smoke Box Netting	1-SET.	320-E-217	MAT. ORD. IN P.D.	—	—	—	—	—
	2	" " " Door	—							
	3	" " " Frame EYE BOLT	10	320-E-217	—	320-S-206	—	—	—	—
	4	" " " " Catch	10	"	—	320-S-08	—	—	—	—
	5									
	6									
	7									
	8									
	9									
	10									
	11	Draft Pipe	1	320-E-217	PLATE. MAT. ORD. IN P.D.	—	—	—	—	—
	12	" " Hanger	2	"	—	320-S-340	—	—	—	—
	13	" " - BRACKET	2	"	—	320-S-341	—	—	—	—
	14	" " ~~Tee Head Brace~~ "	2	"	—	320-S-343	—	—	—	—
	15	Table Plate								
	16									
	17									
	18									
	19	Cinder Pocket	—							
	20	" " Cap	—							
	21	" " Clamp	—							
	22	" " Thumb Screw	—							
	23	" " Chute	—							
	24	" " " Bracket	—							
	25	" " Slide	—							
	26	" " " Guide	—							
	27	" " Wedge	—							
	28	Cleaning Hole Frame	2	752-A-203 ~~320-D-115~~	FURNISH CHAIN	—	75-705 ~~320-P-22~~	—	—	—
	29	" " Cap	2	" #11	—	—	75-704 ~~320-P-21~~	—	—	—
	30	" " Handle								
	31									
	32									
	33									
	34									
	35									
	36									
	37	Smoke Box Brace	—							
	38	" " " Foot	—							
	39	" " " Pad	—							
	40									
	41	Smoke Box Front	1	320-D-207	MAT. ORD. IN P.D.	—	—	—	—	—
	42	" " " Door	1	"	" " " "	—	—	—	—	—
	43	" " " Liner	—							
	44	" " " Hinges	1	320-D-39	—	—	—	—	—	75-96
	45	" " " "	1	"	—	—	—	—	—	75-97
	46	" " " Lugs	1R. 1L.	320-D-39	—	—	—	—	—	75-99
	47	" " " "	—							75-100
	48	" " " Buttons	12	320-D-39	—	—	—	—	—	75-98
	49	" " " Handle	—							
	50	" " " Clamp	—							
	51	" " " Crosstie	—							
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont.)								
	1	Smoke Stack	1	330-D-49			75-95			
	2	" " Base								
	3	" " * RADIUS			46½"					
	4	" " Extension	1	330-D-49			75-94-A			
	5	" " ~~Top~~ "	2	"			75-93			
	6	" " Cone								
	7	" " Spark Whirl								
	8	" " Netting								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11									
	12									
	13									
	14	**GROUP 76—SPRINGS**								
	15	Springs								
	16	Driving Spring—Front	2 H.P. 2 L.P.	240-D-325	ORD. IN P.D.					
	17	" " —Int.	2 H.P. 2 L.P.	"	" " "					
	18	" " —Main	2 H.P.	240-D-340	" " "					
	19	" " —Back	2 H.P.	"	" " "					
	20	" " MAIN	2 L.P.	240-D-325	" " "					
	21	" " BACK	2 L.P.	"	" " "					
	22	Engine Truck Spring	2	~~240-D-129~~ 762-A-146	" " "					
	23	" " "								
	24	Trailer Spring	2	~~240-D-129~~ 762-A-146	ORD. IN P.D.					
	25	Draft "								
	26	Coupler "								
	27	Buffer "								
	28	Centering "	3	230-E-415	ORD. IN P.D.					
	29	TRAILER EQUALIZER SPRING	2	240-D-340	ORD. IN P.D.					
	30	CROSS EQUALIZER YOKE BRACE	2	~~240-D-358~~ 773-B-53		240-S-880				
	31	~~Safety Strap~~								
	32	**GROUP 77—SPRING RIGGING**								
	33	Spring Rigging	1-SET.	~~240-D-364~~ 774-A-14						
	34	Driving Box Saddle	2	~~240-D-343~~ 772-A-506				240-P-40		
	35	" " "	10	~~240-D-346~~ 772-B-506				240-P-41		
	36	Equalizer—Front	1	~~240-D-358~~ 773-F-53		240-S-892				
	37	" —Side	8	~~240-D-364~~ 774-A-14		240-S-827				
	38	" —Back (TRAILER)	2	~~240-D-356~~ 772-A-504				41-6		
	39	" —Cross	2	~~240-D-358~~ 773-E-53		240-S-779				
	40	" Fulcrum—Cylinder MAIN	1	240-D-327				77-219		
	41	" " PIN	1	"		240-S-770				
	42	" " XTIE-REAR	1	~~240-D-357~~ 772-A-505				240-P-45		
	43	" " —Trailer								
	44	CROSS " ~~Bar~~ YOKE	1	~~240-D-358~~ 773-B-53		240-S-893				
	45	" " Safety Strap	1 R. 1 L.	773-*D-53		240-S-778				
	46	CROSS EQUALIZER—REAR	1	~~240-D-364~~ 774-A-14		240-S-789				
	47	~~Spring Fulcrum~~ " HANGER	2	"		240-S-790				
	48	—" ~~Gib~~ " " PINS	2	"		240-S-793				
	49	TRAILER EQUALIZER SAFETY STRAP	1	~~440-D-339~~ 412-A-145		~~440-D-339~~ 412-A-145				
	50	—" " " SPRING WEARING PLATE.	4	240-D-356	PLATE.	FORGED SIZES 1"X8"X11"				
	51	—" ~~Guide~~ " FULCRUM SPRING SEAT.	2	240-D-357	SOFT STEEL	2 FINISH SIZES 1/8"X3"X8"				
	52	SPRING Hanger	8	~~240-D-342~~ 772-A-507				240-P-26		
	53	" "	22	~~240-D-344~~ 772-B-507				240-P-27		
	54	" " FILLING PIECE	30	~~240-D-342~~ 772-E-507						240-P-28
	55	" " " "	60	"						240-P-29
	56	" "	2	~~240-D-358~~ 773-A-53				~~240-P-46~~ 77-496		
	57	" "	4	~~240-D-364~~ 774-A-14		240-S-781				
	58	" "	8	"		240-S-783				
	59	" " ~~Block~~	20	"		240-S-782				
	60	" "	4	"		240-S-784				
	61	" "	4	"		240-S-785				

(Group 77 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 77—Spring Rigging (Cont.)								
	1	Spring Hanger ~~bind~~	4	774-A-14 ~~240-D-364~~	—	240-S-786	—	—	—	—
	2	" " "	—							
	3	" " • PINS	44	774-A-14 ~~240-D-364~~	—	240-S-791	—	—	—	—
	4	" " • "	8	"	—	240-S-792	—	—	—	—
	5	" Roller	—							
	6	" Seat	2	774-A-14 ~~240-D-364~~	—	—	240-P-51	—	—	—
	7	" "	—							
	8	" "	—							
	9	CROSS EQUALIZER PINS (FRONT)	4	773-C-53 ~~240-D-358~~	—	240-S-772	—	—	—	—
	10	SIDE " H.P. MAIN BOX	4	774-A-14 ~~240-D-364~~	—	240-S-788	—	—	—	—
	11	" " H.P. BACK "	2-R. 2-L.	" "	—	240-S-787	—	—	—	—
	12	SPRING SAFETY STRAP	2	772-B-503 ~~240-D-375~~	—	772-B-503 ~~240-D-375~~	—	—	—	—
	13	" " " BLOCK	2	" "	—	FORGED SIZES 2½"×3"×5"	—	—	—	—
	14	TRAILER EQUALIZER SAFETY BAR	1	440-D-455	—	440-D-455	—	—	—	—
	15									
	16									
	17									
	18									
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	35									
	36									
	37									
	38									
	39	**GR. 78—Stm. Gauge, Saf. Val. & Tur.**								
	40	Steam Gauge								
	41	" Turret	1R. 1L.	783F37 783H37	—	—	—	—	78-23	—
	42	" " Valve	2	783F37	—	—	—	—	78-24	—
	43	" " " ~~Gland~~ STEM	2	"	—	—	—	—	78-27	—
	44	" " " Neck	2	783F37	—	—	—	—	78-25	—
	45	" " " Nut	2	"	—	—	—	—	78-26	—
	46	" " " Handle	2	272A125	—	—	—	—	—	78-28
	47	" " Joint Ring (BRANCH PIPE)	1	420-D-674	—	—	—	—	25658	—
	48	" " PIPE ELBOW	1	782A90	4" WROT IRON PIPE	—	—	—	—	—
	49	" " ELBOW EXTENSION	1	420-D-655	—	—	—	—	—	78-295
	50	" " BRANCH PIPE	1	420-D-674	—	—	—	25657	—	—
	51	" " BUSHING (LUB. VALVE)	1	420-D-643	—	—	—	—	63-12	—
	52	" " JOINT RINGS	2	420-D-674	—	—	—	—	25659	—
	53	" " BRANCH PIPE SUPPORTS	2	"	—	420-S-135	—	—	—	—
	54									
	55									
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(Group 78 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 78—Stm. Gauge, Saf. Val. & Tur. (Ct.)								
	1	Steam Turret Casing	—							
	2	" " " Hinges	—							
	3	" " " Hasp	—							
	4									
	5									
	6									
	7	Safety Valve	—							
	8	" " Extension	3	FURNISHED WITH SAFETY VALVES.	ORD. IN P.D.	—	—	—	—	—
	9	" " Turret	—							
	10	" " " Bushing	—							
	11	" " " Casing	—							
	12	" " " " Supports	—							
	13	" " " " "	—							
	14									
	15									
	16	GROUP 79—STEAM PIPES								
	17	Steam Pipes RIGHT	1-R.	793-A-104 ~~340-D-277~~	EPD 7-14-3	—	79-79-A	—	—	—
	18	Steam Pipe ~~Right~~ LEFT	1-L.	793-A-104 #		—	79-80-A	—	—	—
	19	" " —Left SIDE	1	793-A-55 ~~340-D-304~~		—	79-502	—	—	—
	20	" " BRACE	1	340-D-279		—	—	79-493	—	—
	21	" " LONGITUDINAL R. SIDE	1	340-D-287	MAT. ORD. IN P.D.	—	—	—	—	—
	22	" " " L. SIDE	1	340-D-292	" " " "	—	—	—	—	—
	23	" " BRACE	1	340-D-288	—	340-D-288	—	—	—	—
	24	" " Joint Ring	1	792-A-105 ~~340-D-304~~	EPD 7-14-3	—	79-497	—	—	—
	25	" " " " TOP	2	792-T-108 ~~340-D-277~~		—	79-490	—	—	—
	26	" " " " ELBOW TO PIPE	4	340-D-287	—	—	79-2	—	—	—
	27	" " " " (TO SMOKE BOX STEAM PIPE FLANGE)	2	"	—	—	79-440	—	—	—
	28	" " ~~Tee Head~~ FLANGE	4	"	—	—	—	79-496	—	—
	29	" " ~~Casing~~ BRACKET STRAP	6	340-D-278	—	340-S-06	—	—	—	—
	30	" " — " U-BOLT	12	"	—	340-S-07	—	—	—	—
	31	" " — ~~Clamp~~ JOINT RING-BOTTOM	2	792-S-108 ~~340-D-277~~	EPD 7-14-3	—	79-440	—	—	—
	32	" " Supports	2	340-D-278	—	—	—	79-491	—	—
	33	" " "	4	340-D-280	—	—	—	79-492	—	—
	34	" " — ~~Strap~~ ELBOW	2	340-D-287	—	—	79-78-A	—	—	—
	35	" " — — ~~U Bolt~~ FLANGE	2	340-D-302	—	—	79-501	—	—	—
	36	" " Slip Joint Casing	—							
	37	" " " " Sleeve	—							
	38	" " " " Packing Rings	10	340-D-293	CASTING ORD. IN P.D.	—	—	—	—	—
	39	" " ELBOW RIGHT SIDE	1	340-D-293	—	—	79-5	—	—	—
	40	" " "JOINT RING (TO CYL.)	1	"	—	—	79-497	—	—	—
	41	" " " " (TO SLIP JOINT)	2	"	—	—	79-2	—	—	—
	42	" " SLIP JOINT SLEEVE	2	"	CASTING ORD. IN P.D.	—	HUNT. SPILLER 79-498	—	—	—
	43	" " " " GLAND	2	"	—	—	79-140	—	—	—
	44	" " " " SLEEVE	2	"	—	—	79-209	—	—	—
	45	GROUP 80—STOKER								
	46									
	47									
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(Group 80 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 80—STOKER (Cont.)								
	1	STOKER OPERATING SHAFT	1	560-E-654	FURNISHED WITH STOKER					
	2	" " ROD.	1	"	" "					
	3	" " SHAFT BEARING.	2	"	" "					
	4									
	5									
	6	GROUP 81 - SUPERHEATER								
	7	SUPERHEATER DAMPER CYL. TARGET.	1	940-D-134	TIN. PAINTED WHITE					
	8	" " " " BRACKET	1	"		940-S-35				
	9	" TUBE CLAMP	45	940-D-31		940-D-31				
	10	" ARRANGEMENT	1-SET	940-E-316						
	11	" HEADER	1	940-D-122	ORD. IN P.D.					
	12	" RETURN BENDS	1-SET	940-D-312						
	13	" PIPE SUPPORTS	135	812D49						
	14	" " BANDS	45	812A47						
	15	" DAMPER	1	940-D-125	PLATE. MAT. ORD IN P.D.					
	16	" " CYLINDER	1		ORD. IN P.D.					
	17	" " " PIPE FITTING	1-SET.	632B331						
	18	" " SHAFT	1	940-D-142		940-D-142				
	19	" " " ARM	1	812A31						81-2
	20	" " CYL. PIPE FITTING	1	420-D-648					25611	
	21	" " ARM	1	812A30						940-P-11
	22	" " ROD	1	812A46		FORGED SIZES 13"×1¼"×½"				
	23	" " SHAFT	1	940-D-125		940-S-32				
	24	" " " BEARING O.S.	1	940-D-22			81-25			
	25	" " " " I.S.	2	812F40			81-20			
	26	" COUNTERWEIGHT	1	812C18			81-5			
	27	" HEADER SUPPORT	2	940E316	MAT. ORD. IN P.D.	940-S-34				
	28	" TUBE JOINT ARRGT.		940-D-114						
	29	" " CLAMP BOLT	45	940-D-178	ELASTIC LIMIT OF NOT LESS THAN 75000#	940-D-178				
	30	" " BALL JOINTS	45	812A42		812A42				
	31	" " CLAMP WASHERS	90	812B42		812B42				
	32	" " ENDS	90	812A45		812A45				
	33	" UNITS SHAPE # 1	9	813C21	MAT. ORD. IN P.D.					
	34	" " " " # 2	9	"	" " " "					
	35	" " " " # 3	9	"	" " " "					
	36	" " " " # 4	9	"	" " " "					
	37	" " " " # 5	9	"	" " " "					
	38	" TAGS	1-SET.	STENCIL TO SUIT ERECT. SHOP						
	39									
	40									
	41									
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	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 83—TANK, ENGINE								
	1	Tank	—							
	2	" Material Bill	—							
	3	" Angle Iron	—							
	4	" Lifter	—							
	5	" Block	—							
	6	" "	—							
	7	" Wedge	—							
	8	" "	—							
	9	Tank Bearer	—							
	10	" "	—							
	11	Tank Funnel	—							
	12	" " Screen	—							
	13	" " Lid	—							
	14	" " Hinge	—							
	15	" " Handle	—							
	16	Tank Hand Hole	—							
	17	" " " Dog	—							
	18		—							
	19		—							
	20	Tank Equalizing Pipe	—							
	21	" " " Flange	—							
	22		—							
	23									
	24									
	25	Coa Bunk	—							
	26	" " Angle	—							
	27	" Gate	—							
	28	" " Latch	—							
	29	" " Handle	—							
	30	" Rack	—							
	31									
	32									
	33									
	34	**GROUP 91—Throttle & Dry Pipe**								
	35	Throttle Valve Arrangement	1-SET. "CHAMBERS." ORD. IN P.D.				—	—	—	—
	36	Throttle Valve	—							
	37	" " Stem	—							
	38	" " " Casing	—							
	39	" " " Lever	—							
	40	" " " Rod	—							
	41	" " " " " Jaw	—							
	42	" " " " Fulcrum	—							
	43	" " " " Pins	—							
	44	" " Crank	—							
	45	" Pipe SUPPORT (ANGLE IN DOME)	1	350-D-121	—	350-D-121	—	—	—	—
	46	" " Ring	—							
	47	" " Yoke	—							
	48	Throttle Stuffing Box	—							
	49	" " " Gland	—							
	50	" " " "	—							
	51	" " " Ring	—							
	52	" Shaft	—							
	53	" " Arm	—							
	54	" " "	1	350-D-254	FURNISH 1" PIPE LENGTH TO SUIT		—	—	—	—
	55	" Rod ASSEMBLY	—							
	56	" " Crosshead	—							
	57	" " Jaw	—							
	58	" " Pin	—				—	—	—	—
	59	" " Support LOCOS. 5559-5563 AND ALL AFTER	1	912B4	—	350-S-385	—	—	—	—
	60	" " " WASHERS LOCOS. 5559-5563 AND ALL AFTER	4	532C269	—	—	53-56	—	—	—
	61									

(Group 91 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 91—Throt. & Dry Pipes (Cont.)								
	1	THROTTLE ROD SUPPORT Loco. 5554-5558 ONLY	1	912-A-541 ~~350-D-117~~	—	350-S-198	—	—	—	—
	2	" " " CLAMP Locos. 5554-5558 ONLY	1	" "	—	350-S-199	—	—	—	—
	3	" " " AND ALL AFTER Locos. 5559-5563	1	912A4	—	350-S-384	—	—	—	—
	4	" " " CAP AND ALL AFTER Locos. 5559-5563	2	"	—	350-S-386	—	—	—	—
	5									
	6									
	7									
	8									
	9	Throttle Lever	—							
	10	" " Handle	—							
	11	" " Latch	—							
	12	" " " Spring	—							
	13	" " " Guide	—							
	14	" " " Rod	—							
	15	" " Quadrant	—							
	16	" " Support	1	350-D-126	PLATE. MAT. ORD. IN P.D.	350-D-126	—	—	—	—
	17	" " Fulcrum	—							
	18	" " Stud	—							
	19	" " Link	—							
	20									
	21									
	22									
	23	Dry Pipe	1	912-A-549 ~~350-D-128~~	MAT. ORD. IN P.D.	—	—	—	—	—
	24	" " Elbow	1	" "	" " " "	—	—	—	—	—
	25	" " Front End	1	" "	—	—	91-255-A	—	—	—
	26	" "	—							
	27	" " Sleeve	2	912-A-549 ~~350-D-128~~	MAT. ORD. IN P.D.	—	—	—	—	—
	28	" " Support Locos. 5554-5558 ONLY	1	350-D-131	—	350-S-195	—	—	—	—
	29	" " ~~Yoke~~ CAP " " " "	1	"	—	350-S-196	—	—	—	—
	30	" " " Key	—							
	31	" " Clamp	—							
	32	" " Joint Ring	1	912-A-549 ~~350-D-128~~	—	—	79-103	—	—	—
	33	" " SUPPORT Locos. 5559-5563 AND ALL AFTER	1	912A3	—	350-S-383	—	—	—	—
	34	" " " CAP " " " "	1	"	—	350-S-382	—	—	—	—
	35	" " " ANGLE " " "	2	"	4"x4" ANGLE	—	—	—	—	—
	36									
	37									
	38									
	39									
	40									
	41									
	42									
	43									
	44	**GROUP 92—TOOLS**	1-SET.	520-D-346	—	—	—	—	—	—
	45	~~Broom~~ SLICE BAR	1	—	—	520-S-83	—	—	—	—
	46	Coal Pick	—							
	47	~~" Scoop~~ LONG SCRAPER	1	520-D-344	—	520-D-344	—	—	—	—
	48	Crosshead Block	—							
	49	Chisel—Cape	1	922F130	—	922F130	—	—	—	—
	50	" —Flat	2	922A130	—	922A130	—	—	—	—
	51	Fire Rake	—							
	52	Flag—Green	—							
	53	" —Red	—							
	54	" —White	—							
	55	Hard Hammer (Machinists)	—							
	56	Lantern—White Hand	—							
	57	" —Red "	—							
	58	Main Pin Blocks	—							
	59	SOFT HAMMER	1	922A137	FURNISH HANDLE	—	—	—	—	—
	60	CLINKER HOOK	1	—	—	520-S-81	—	—	—	—
	61	SLICE BAR	1	—	—	520-S-82	—	—	—	—

(Group 92 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS (Cont.)								
	1	Oil Can—Long Spout Oiler	—							
	2	" " —Engine Oil	—							
	3	" " —Valve "	—							
	4	" " —Signal "	—							
	5	" " —Kerosene Oil	—							
	6	Packing Hook	1	922B136	—	520-S-44	—	—	—	—
	7	" Spoon	1	922A136	—	520-S-45	—	—	—	—
	8	Pinch Bar	1	—	—	520-S-47	—	—	—	—
	9	Jackscrews	—							
	10	Tallow Pot	—							
	11	Torch	—							
	12	Torpedoes	—							
	13	Valve Stem Block	—							
	14	Waste	—							
	15	Wrench—Alligator	—							
	16	" —Monkey	—							
	17	Wrecking Frogs	—							
	18	FLAG, FUSEE & CAP BOX LOCOS. 5557-	1	500-D-190	GALV. IRON	—	—	—	—	—
	19	CLINKER HOOK. 5563 AND ALL AFTER.	1	—	—	520-S-87	—	—	—	—
	20	SHORT SCRAPER	1	520-D-345	—	520-D-345	—	—	—	—
	21	SUPERHEATER UNIT BOLT WRENCH	1	922C122	—	922C122	—	—	—	—
	22	**GROUP 94—Valves, Distribution**								
	23	Piston Valve H.P.	2	"AMERICAN" SEMI-PLUG	ORD. IN P.D.	—	—	—	—	—
	24	" " Follower	—							
	25	" " T-Ring	—							
	26	" " Snap Ring	—							
	27	" " Body	—							
	28	" " L.P.	2	"AMERICAN" SEMI-PLUG DOUBLE PORTED	ORD. IN P.D.	—	—	—	—	—
	29	Slide Valve	—							
	30	" " Plate	—							
	31	" " Packing Strip	—							
	32	" " " "	—							
	33	" " " Spring	—							
	34	" " " "	—							
	35									
	36									
	37	Valve Rod H.P.	IR. IL.	942A94	—	942A94	—	—	—	—
	38	" " ~~Key~~ L.P.	IR. IL.	942B94	—	942B94	—	—	—	—
	39	" " Knuckle	—							
	40	" " Pin BUSHING	2H.P. 2L.P.	942A94	—	—	—	—	94-107	—
	41	" " Crosshead H.P.	2	60-D-122	—	—	—	60-P-9	—	—
	42	" " " BUSHING H.P.	4	"	—	—	—	—	60-P-10	—
	43	" " " KEY H.P.	2	"	HIGH CARBON STEEL	60-D-122	—	—	—	—
	44	Valve Stem H.P.	2	60-D-115	—	60-D-115	—	—	—	—
	45	" " ~~Bushing~~ L.P.	2	60-D-121	—	60-D-121	—	—	—	—
	46	" " Guide	—							
	47	" " Clamp	—							
	48	Valve Yoke	—							
	49	VALVE ROD CROSSHEAD L.P.	2	60-D-123	PINS.	—	—	60-P-11	—	—
	50	" " " KEY L.P.	2	"	HIGH CARBON STEEL	60-D-123	—	—	—	—
	51	" " " GUIDE LINER	8	60-D-117	—	—	60-P-15	—	—	—
	52	Valve Stem Packing	1-SET. H.P. 1-SET. L.P.	TROJAN	ORD. IN P.D.	—	—	—	—	—
	53	" " " Gland	—							
	54	" " " Babbit Ring	—							
	55	" " " " "	—							
	56	" " " Split Ring	—							
	57	" " " Spring	—							
	58	" " " " Case	—							
	59	" " " Swab Cup	—							
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
				SEE REPAIR ORDER BOOK #12, ORDER R-26190						
		GROUP 95—WHEELS								
	1	Driving Wheel Center No. 1	2 H.P. / 2 L.P.	953-C-214 / ~~170-D-135~~	—	—	—	95-232-A	—	—
	2	" " " No. 2	2 H.P. / 2 L.P.	953-B-196 / ~~170-D-138~~	—	—	—	95-431-A	—	—
	3	" " " No. 3	2 H.P. / 2 L.P.	953-B-195 / ~~170-D-137~~	—	—	—	95-335	—	—
	4	" " " No. 4	2 H.P. / 2 L.P.	953-C-214 / ~~170-D-135~~	—	—	—	95-232-A	—	—
	5	" " " No. 5	—							
	6	" " Hub Liner F-I&B	6 H.P. / 6 L.P.	953-B-196 / ~~170-D-138~~	—	—	95-233	—	—	—
	7	" " Tire—Flanged	6 H.P. / 6 L.P.	160-D-79	MAT. ORD. IN P.D.	—	—	—	—	—
	8	" " "—Plain	2 H.P. / 2 L.P.	952C77	" " " "	—	—	—	—	—
	9	" " " Ret. Ring	—							
	10	Wheel Pressed on Axle (Tons)		LIMA STANDARD PRACTICE		—	—	—	—	—
	11	DRIVING WHEEL HUB LINER (MAIN)	2 H.P. / 2 L.P.	953-B-195 / ~~170-D-137~~	—	—	95-432	—	—	—
	12									
	13	Trailing Wheel Center	2	952-F-175 / ~~430-D-68~~	ORD. IN P.D.	—	—	—	—	—
	14	" " Hub Liner	—							
	15	" " Tire	—							
	16	" " " Ret. Ring	—							
	17	Wheel Pressed on Axle (Tons)		LIMA STANDARD PRACTICE.		—	—	—	—	—
	18									
	19	Wheel—Engine Truck	2	952-F-175 / ~~430-D-68~~	ORD. IN P.D.	—	—	—	—	—
	20	" —Pressed on Axle (Tons)		LIMA STANDARD.	—	—	—	—	—	—
	21	**GROUP 96—WHISTLE**								
	22	Whistle	1	NATHAN	ORD. IN P.D.	—	—	—	—	—
	23	Whistle Bell	—							
	24	" Valve	—							
	25	" Gland	—							
	26	" Nut	—							
	27	" Sleeve	—							
	28	" Monkey Tail	1	962A93	—	962A93	—	—	—	—
✓	29	" Lever	1	420-D-646	—	420-S-132	—	—	—	—
	30	" " Fulcrum	—							
✓	31	" Arm	1	420-D-646	—	420-S-134	—	—	—	—
	32	" Shaft	1	"	—	FORGED SIZES 1" DIA. 80" LONG.	—	—	—	—
	33	" " Bearing	2	"	—	420-S-133	—	—	—	—
	34	" " "	—							
	35	" Rod	1	TO SUIT ERECT. SHOP	—	TO SUIT ERECT. SHOP	—	—	—	—
	36	" Rope Handle	—							
	37	" " Eye	1	370-D-10	—	—	—	—	12-108	—
	38	" " Thimble	—							
	39	" Sheave	—							
	40	" " Box	—							
✓	41	" Elbow	1	420-D-620	—	—	—	—	96-166	—
	42	" Extension	—							
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 97—Prelim. Designs & Proposi'n	—							
	1									
	2									
	3									
	4	**GR. 98—Clear. & Wheel Base Diag'm**	—							
	5									
	6									
	7									
	8	**GROUP 99—MISCELLANEOUS**	—							
	9	Billet List	—							
	10	Booster	—							
	11	Booster King Pin Arrangement	—							
	12	" " " Ball Seat	—							
	13	" " "	—							
	14	" " " Washer	—							
	15	" " " Spring	—							
	16									
	17									
	18	Booster Throttle	—							
	19	" " Support	—							
	20	" " " Brake	—							
	21									
	22	Booster Pilot Valve Bracket	—							
	23	" Timing Reservoir Bracket	—							
	24									
	25									
	26	Booster Live Steam Elbow	—							
	27	" " " " Joint Ring	—							
	28	" " " " "	—							
	29	" " " "Y"	—							
	30	" " " Flanges	—							
	31									
	32									
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	36	Booster Live Steam Joint Rings	—							
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	42									
	43	Booster Live Steam Choke(Prelim. Valve Line)	—							
	44	" " " " (Lubricator)	—							
	45	" " " " Swivel	—							
	46	" " " " " Nut	—							
	47	" " " " (Steam Gauge Line)	—							
	48	" " " " Swivel	—							
	49	" " " " " Nut	—							
	50	" " " " (At Steam Gauge)	—							
	51	Booster Exhaust Pipe Elbow	—							
	52	" " " Coupling	—							
	53	" " " " Flange	—							
	54	" " " " Joint Ring	—							
	55	" " " " Sleeve	—							
	56	" " " " "	—							
	57	" " " " " Flange	—							
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
	1	Booster Guide Bracket	—							
	2	" " "	—							
	3	" " Rod	—							
	4	" " " Clamp	—							
	5	" " "	—							
	6	" " " Clamp	—							
	7	" " Pin	—							
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	54	Speed Recorder Rigging								
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(Group 99 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
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Material Specifications

STEAM METAL CASTINGS - WESTERN MARYLAND SPEC. DATED MAY 5. 1915.